

# AGREEMENT FOR SERVICES OF INDEPENDENT CONTRACTOR

**THIS AGREEMENT** (hereafter Agreement) is made by and between the County of Santa Barbara, a political subdivision of the State of California (hereafter County) and **NV5 WEST, INC.** with an address at **1868 Palma Dr., Ste. A Ventura, CA 93003** (hereafter Contractor) wherein Contractor agrees to provide and County agrees to accept the services specified herein.

**WHEREAS**, Contractor represents that it is specially trained, skilled, experienced, and competent to perform the special services required by County and County desires to retain the services of Contractor pursuant to the terms, covenants, and conditions herein set forth;

**NOW, THEREFORE**, in consideration of the mutual covenants and conditions contained herein, the parties agree as follows:

## 1. DESIGNATED REPRESENTATIVE

**Philip Gaston** at phone number **805-803-8776** is the representative of County and will administer this Agreement for and on behalf of County. **Ed Sullivan** at phone number **805-656-6074** is the authorized representative for Contractor. Changes in designated representatives shall be made only after advance written notice to the other party.

## 2. NOTICES

Any notice or consent required or permitted to be given under this Agreement shall be given to the respective parties in writing, by personal delivery or facsimile, or with postage prepaid by first class mail, registered or certified mail, or express courier service, as follows:

To County: **Philip Gaston, Public Works, 620 W. Foster Rd., Santa Maria, CA, 93455, 805-803-8776, pgaston@cosbpw.net**

To Contractor: **Ed Sullivan, NV5 WEST INC., 1868 Palma Dr., Ste. A Ventura, CA 9300, 805-656-6074, ed.sullivan@NV5.com**

or at such other address or to such other person that the parties may from time to time designate in accordance with this Notices section. If sent by first class mail, notices and consents under this section shall be deemed to be received five (5) days following their deposit in the U.S. mail. This Notices section shall not be construed as meaning that either party agrees to service of process except as required by applicable law.

## 3. SCOPE OF SERVICES

Contractor agrees to provide services to County in accordance with Exhibit A attached hereto and incorporated herein by reference.

## 4. PERFORMANCE PERIOD

- A. Contractor shall commence performance on **7/13/2021** and end performance upon completion, but no later than **6/30/2024** unless otherwise directed by County or unless earlier terminated.
- B. The Director of Public Works, or designee, may extend the period of performance of this Agreement for up to a period of one year by giving written notice of extension to Contractor.

## 5. COMPENSATION OF CONTRACTOR

In full consideration for Contractor's services, Contractor shall be paid for performance under this Agreement in accordance with the terms of Exhibit B attached hereto and incorporated herein by reference. Billing shall be made by invoice, which shall include the contract number assigned by County and which is delivered to the address given in Clause 2 "NOTICES" above following completion of the increments identified on Exhibit B. Unless otherwise specified on Exhibit B, payment shall be net thirty (30) days from presentation of invoice.

## 6. INDEPENDENT CONTRACTOR

It is mutually understood and agreed that Contractor (including any and all of its officers, agents, and employees), shall perform all of its services under this Agreement as an independent Contractor as to County and not as an officer, agent, servant, employee, joint venturer, partner, or associate of County. Furthermore, County shall have no right to control, supervise, or direct the manner or method by which Contractor shall perform its work and function. However, County shall retain the right to administer this Agreement so as to verify that Contractor is performing its obligations in accordance with the terms and conditions hereof. Contractor understands and acknowledges that it shall not be entitled to any of the benefits of a County employee, including but not limited to

vacation, sick leave, administrative leave, health insurance, disability insurance, retirement, unemployment insurance, workers' compensation and protection of tenure. Contractor shall be solely liable and responsible for providing to, or on behalf of, its employees all legally-required employee benefits. In addition, Contractor shall be solely responsible and save County harmless from all matters relating to payment of Contractor's employees, including compliance with Social Security withholding and all other regulations governing such matters. It is acknowledged that during the term of this Agreement, Contractor may be providing services to others unrelated to the County or to this Agreement.

## **7. STANDARD OF PERFORMANCE**

Contractor represents that it has the skills, expertise, and licenses/permits necessary to perform the services required under this Agreement. Accordingly, Contractor shall perform all such services in the manner and according to the standards observed by a competent practitioner of the same profession in which Contractor is engaged. All products of whatsoever nature, which Contractor delivers to County pursuant to this Agreement, shall be prepared in a manner consistent with the standards normally observed by a person practicing in Contractor's profession. Contractor shall correct or revise any errors or omissions, at County's request without additional compensation. Permits and/or licenses shall be obtained and maintained by Contractor without additional compensation.

## **8. DEBARMENT AND SUSPENSION**

- A. Contractor's signature affixed herein shall constitute a certification under penalty of perjury under the laws of the State of California, that Contractor has complied with Title 2 CFR, Part 180, "OMB Guidelines to Agencies on Government wide Debarment and Suspension (nonprocurement)", which certifies that he/she or any person associated therewith in the capacity of owner, partner, director, officer, or manager, is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency; has not been suspended, debarred, voluntarily excluded, or determined ineligible by any federal agency within the past three (3) years; does not have a proposed debarment pending; and has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three (3) years. Any exceptions to this certification must be disclosed to County.
- B. Exceptions will not necessarily result in denial of recommendation for award, but will be considered in determining Contractor responsibility. Disclosures must indicate to whom exceptions apply, initiating agency, and dates of action.
- C. Exceptions to the Federal Government Excluded Parties List System maintained by the General Services Administration are to be determined by the Federal Highway Administration.
- D. Contractor's signature affixed herein shall constitute a certification under penalty of perjury under the laws of the State of California, which certifies that Contractor or any person associated therewith in the capacity of owner, partner, director, officer, or manager, is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility for participation in any state or local government agency contracts. Contractor certifies that it shall not contract with a subcontractor that is so debarred or suspended.

## **9. TAXES**

Contractor shall pay all taxes, levies, duties, and assessments of every nature due in connection with any work under this Agreement and shall make any and all payroll deductions required by law. County shall not be responsible for paying any taxes on Contractor's behalf, and should County be required to do so by state, federal, or local taxing agencies, Contractor agrees to promptly reimburse County for the full value of such paid taxes plus interest and penalty, if any. These taxes shall include, but not be limited to, the following: FICA (Social Security), unemployment insurance contributions, income tax, disability insurance, and workers' compensation insurance.

## **10. CONFLICT OF INTEREST**

Contractor covenants that Contractor presently has no employment or interest and shall not acquire any employment or interest, direct or indirect, including any interest in any business, property, or source of income, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement. Contractor further covenants that in the performance of this Agreement, no person having any such interest shall be employed by Contractor. Contractor must promptly disclose to County, in writing, any potential conflict of interest. County retains the right to waive a conflict of interest disclosed by Contractor if County determines it to be immaterial, and such waiver is only effective if provided by County to Contractor in writing.

## **11. OWNERSHIP OF DOCUMENTS AND INTELLECTUAL PROPERTY**

County shall be the owner of the following items incidental to this Agreement upon production, whether or not completed: all data collected, all documents of any type whatsoever, all photos, designs, sound or audiovisual recordings, software code, inventions, technologies, and other materials, and any material necessary for the practical use of such items, from the time of collection and/or production whether or not performance under this Agreement is completed or terminated prior to completion. Contractor shall not release any of such items to other parties except after prior written approval of County.

Unless otherwise specified in Exhibit A, Contractor hereby assigns to County all copyright, patent, and other intellectual property and proprietary rights to all data, documents, reports, photos, designs, sound or audiovisual recordings, software code, inventions, technologies, and other materials prepared or provided by Contractor pursuant to this Agreement (collectively referred to as "Copyrightable Works and Inventions"). County shall have the unrestricted authority to copy, adapt, perform, display, publish, disclose, distribute, create derivative works from, and otherwise use in whole or in part, any Copyrightable Works and Inventions. Contractor agrees to take such actions and execute and deliver such documents as may be needed to validate, protect and confirm the rights and assignments provided hereunder. Contractor warrants that any Copyrightable Works and Inventions and other items provided under this Agreement will not infringe upon any intellectual property or proprietary rights of any third party. Contractor at its own expense shall defend, indemnify, and hold harmless County against any claim that any Copyrightable Works or Inventions or other items provided by Contractor hereunder infringe upon intellectual or other proprietary rights of a third party, and Contractor shall pay any damages, costs, settlement amounts, and fees (including attorneys' fees) that may be incurred by County in connection with any such claims. This Ownership of Documents and Intellectual Property provision shall survive expiration or termination of this Agreement.

## **12. NO PUBLICITY OR ENDORSEMENT**

Contractor shall not use County's name or logo or any variation of such name or logo in any publicity, advertising or promotional materials. Contractor shall not use County's name or logo in any manner that would give the appearance that the County is endorsing Contractor. Contractor shall not in any way contract on behalf of or in the name of County. Contractor shall not release any informational pamphlets, notices, press releases, research reports, or similar public notices concerning the County or its projects, without obtaining the prior written approval of County.

## **13. COUNTY PROPERTY AND INFORMATION**

All of County's property, documents, and information provided for Contractor's use in connection with the services shall remain County's property, and Contractor shall return any such items whenever requested by County and whenever required according to the Termination section of this Agreement. Contractor may use such items only in connection with providing the services. Contractor shall not disseminate any County property, documents, or information without County's prior written consent.

## **14. RECORDS, AUDIT, AND REVIEW**

Contractor shall keep such business records pursuant to this Agreement as would be kept by a reasonably prudent practitioner of Contractor's profession and shall maintain such records for at least four (4) years following the termination of this Agreement. All accounting records shall be kept in accordance with generally accepted accounting principles. County shall have the right to audit and review all such documents and records at any time during Contractor's regular business hours or upon reasonable notice. In addition, if this Agreement exceeds ten thousand dollars (\$10,000.00), Contractor shall be subject to the examination and audit of the California State Auditor, at the request of the County or as part of any audit of the County, for a period of three (3) years after final payment under the Agreement (Cal. Govt. Code Section 8546.7). Contractor shall participate in any audits and reviews, whether by County or the State, at no charge to County.

If federal, state or County audit exceptions are made relating to this Agreement, Contractor shall reimburse all costs incurred by federal, state, and/or County governments associated with defending against the audit exceptions or performing any audits or follow-up audits, including but not limited to: audit fees, court costs, attorneys' fees based upon a reasonable hourly amount for attorneys in the community, travel costs, penalty assessments and all other costs of whatever nature. Immediately upon notification from County, Contractor shall reimburse the amount of the audit exceptions and any other related costs directly to County as specified by County in the notification.

## **15. INDEMNIFICATION AND INSURANCE**

Contractor agrees to the indemnification and insurance provisions as set forth in Exhibit C attached hereto and incorporated herein by reference.

## 16. NONDISCRIMINATION

- A. County hereby notifies Contractor that County's Unlawful Discrimination Ordinance (Article XIII of Chapter 2 of the Santa Barbara County Code) applies to this Agreement and is incorporated herein by this reference with the same force and effect as if the ordinance were specifically set out herein and Contractor agrees to comply with said ordinance.
- B. Statement of Compliance:
- 1) Contractor's signature affixed herein, and dated, shall constitute a certification under penalty of perjury under the laws of the State of California that Contractor has, unless exempt, complied with, the nondiscrimination program requirements of Government Code Section 12990 and Title 2, California Administrative Code, Section 8103.
  - 2) During the performance of this Agreement, Contractor and its subcontractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), mental disability, medical condition (e.g., cancer), age (over 40), marital status, and denial of family care leave. Contractor and subcontractors shall insure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. Contractor and subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Gov. Code §12990 (a-f) et seq.) and the applicable regulations promulgated there under (California Code of Regulations, Title 2, Section 7285 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 (a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations, are incorporated into this Agreement by reference and made a part hereof as if set forth in full. Contractor and its subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other Agreement.
  - 3) The Contractor shall comply with regulations relative to Title VI (nondiscrimination in federally-assisted programs of the Department of Transportation – Title 49 Code of Federal Regulations, Part 21 - Effectuation of Title VI of the 1964 Civil Rights Act). Title VI provides that the recipients of federal assistance will implement and maintain a policy of nondiscrimination in which no person in the state of California shall, on the basis of race, color, national origin, religion, sex, age, disability, be excluded from participation in, denied the benefits of or subject to discrimination under any program or activity by the recipients of federal assistance or their assignees and successors in interest.
  - 4) The Contractor, with regard to the work performed by it during the Agreement shall act in accordance with Title VI. Specifically, the Contractor shall not discriminate on the basis of race, color, national origin, religion, sex, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The Contractor shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the U.S. DOT's Regulations, including employment practices when the Agreement covers a program whose goal is employment.

## 17. NONEXCLUSIVE AGREEMENT

Contractor understands that this is not an exclusive Agreement and that County shall have the right to negotiate with and enter into contracts with others providing the same or similar services as those provided by Contractor as the County desires.

## 18. NON-ASSIGNMENT

Contractor shall not assign, transfer or subcontract this Agreement or any of its rights or obligations under this Agreement without the prior written consent of County and any attempt to so assign, subcontract or transfer without such consent shall be void and without legal effect and shall constitute grounds for termination.

## 19. TERMINATION

- A. By County. County may, by written notice to Contractor, terminate this Agreement in whole or in part at any time, whether for County's convenience, for nonappropriation of funds, or because of the failure of Contractor to fulfill the obligations herein.
- 1) **For Convenience**. County may terminate this Agreement in whole or in part upon thirty (30) days written notice. During the thirty (30) day period, Contractor shall, as directed by County, wind down and cease its

services as quickly and efficiently as reasonably possible, without performing unnecessary services or activities and by minimizing negative effects on County from such winding down and cessation of services.

- 2) **For Non-appropriation of Funds.** Notwithstanding any other provision of this Agreement, in the event that no funds or insufficient funds are appropriated or budgeted by federal, state or County governments, or funds are not otherwise available for payments in the fiscal year(s) covered by the term of this Agreement, then County will notify Contractor of such occurrence and County may terminate or suspend this Agreement in whole or in part, with or without a prior notice period. Subsequent to termination of this Agreement under this provision, County shall have no obligation to make payments with regard to the remainder of the term.
- 3) **For Cause.** Should Contractor default in the performance of this Agreement or materially breach any of its provisions, County may, at County's sole option, terminate or suspend this Agreement in whole or in part by written notice. Upon receipt of notice, Contractor shall immediately discontinue all services affected (unless the notice directs otherwise) and notify County as to the status of its performance. The date of termination shall be the date the notice is received by Contractor, unless the notice directs otherwise.

- B. **By Contractor.** Should County fail to pay Contractor all or any part of the payment set forth in Exhibit B, Contractor may, at Contractor's option terminate this Agreement if such failure is not remedied by County within thirty (30) days of written notice to County of such late payment.
- C. Upon termination, Contractor shall deliver to County all data, estimates, graphs, summaries, reports, and all other property, records, documents or papers as may have been accumulated or produced by Contractor in performing this Agreement, whether completed or in process, except such items as County may, by written permission, permit Contractor to retain. Notwithstanding any other payment provision of this Agreement, County shall pay Contractor for satisfactory services performed to the date of termination to include a prorated amount of compensation due hereunder less payments, if any, previously made. In no event shall Contractor be paid an amount in excess of the full price under this Agreement nor for profit on unperformed portions of service. Contractor shall furnish to County such financial information as in the judgment of County is necessary to determine the reasonable value of the services rendered by Contractor. In the event of a dispute as to the reasonable value of the services rendered by Contractor, the decision of County shall be final. The foregoing is cumulative and shall not affect any right or remedy which County may have in law or equity.

## **20. SECTION HEADINGS**

The headings of the several sections, and any Table of Contents appended hereto, shall be solely for convenience of reference and shall not affect the meaning, construction or effect hereof.

## **21. SEVERABILITY**

If any one or more of the provisions contained herein shall for any reason be held to be invalid, illegal or unenforceable in any respect, then such provision or provisions shall be deemed severable from the remaining provisions hereof, and such invalidity, illegality or unenforceability shall not affect any other provision hereof, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

## **22. REMEDIES NOT EXCLUSIVE**

No remedy herein conferred upon or reserved to County is intended to be exclusive of any other remedy or remedies, and each and every such remedy, to the extent permitted by law, shall be cumulative and in addition to any other remedy given hereunder or now or hereafter existing at law or in equity or otherwise.

## **23. TIME IS OF THE ESSENCE**

Time is of the essence in this Agreement and each covenant and term is a condition herein.

## **24. NO WAIVER OF DEFAULT**

No delay or omission of County to exercise any right or power arising upon the occurrence of any event of default shall impair any such right or power or shall be construed to be a waiver of any such default or an acquiescence therein; and every power and remedy given by this Agreement to County shall be exercised from time to time and as often as may be deemed expedient in the sole discretion of County.

**25. ENTIRE AGREEMENT AND AMENDMENT**

In conjunction with the matters considered herein, this Agreement contains the entire understanding and agreement of the parties and there have been no promises, representations, agreements, warranties or undertakings by any of the parties, either oral or written, of any character or nature hereafter binding except as set forth herein. This Agreement may be altered, amended or modified only by an instrument in writing, executed by the parties to this Agreement and by no other means. Each party waives their future right to claim, contest or assert that this Agreement was modified, canceled, superseded, or changed by any oral agreements, course of conduct, waiver or estoppel.

**26. SUCCESSORS AND ASSIGNS**

All representations, covenants and warranties set forth in this Agreement, by or on behalf of, or for the benefit of any or all of the parties hereto, shall be binding upon and inure to the benefit of such party, its successors and assigns.

**27. COMPLIANCE WITH LAW**

Contractor shall, at its sole cost and expense, comply with all County, State and Federal ordinances and statutes now in force or which may hereafter be in force with regard to this Agreement. The judgment of any court of competent jurisdiction, or the admission of Contractor in any action or proceeding against Contractor, whether County is a party thereto or not, that Contractor has violated any such ordinance or statute, shall be conclusive of that fact as between Contractor and County.

**28. CALIFORNIA LAW AND JURISDICTION**

This Agreement shall be governed by the laws of the State of California. Any litigation regarding this Agreement or its contents shall be filed in the County of Santa Barbara, if in state court, or in the federal district court nearest to Santa Barbara County, if in federal court.

**29. EXECUTION OF COUNTERPARTS**

This Agreement may be executed in any number of counterparts and each of such counterparts shall for all purposes be deemed to be an original; and all such counterparts, or as many of them as the parties shall preserve undestroyed, shall together constitute one and the same instrument.

**30. AUTHORITY**

All signatories and parties to this Agreement warrant and represent that they have the power and authority to enter into this Agreement in the names, titles and capacities herein stated and on behalf of any entities, persons, or firms represented or purported to be represented by such entity(ies), person(s), or firm(s) and that all formal requirements necessary or required by any state and/or federal law in order to enter into this Agreement have been fully complied with. Furthermore, by entering into this Agreement, Contractor hereby warrants that it shall not have breached the terms or conditions of any other contract or agreement to which Contractor is obligated, which breach would have a material effect hereon.

**31. SURVIVAL**

All provisions of this Agreement which by their nature are intended to survive the termination or expiration of this Agreement shall survive such termination or expiration.

**32. PRECEDENCE**

In the event of conflict between the provisions contained in the numbered sections of this Agreement and the provisions contained in the Exhibits, the provisions of the Exhibits shall prevail over those in the numbered sections.

**33. HANDLING OF PROPRIETARY INFORMATION**

Contractor understands and agrees that certain materials which may be provided by County may be classified and conspicuously labeled as proprietary confidential information. That material is to be subject to the following special provisions:

- A. All reasonable steps will be taken to prevent disclosure of the material to any person except those personnel of Contractor working on the project who have a need to use the material.
- B. Upon conclusion of Contractor’s work, Contractor shall return all copies of the material direct to party providing such material. Contractor shall contact County to obtain the name of the specific party authorized to receive the material.

#### **34. IMMATERIAL CHANGES**

Contractor and County agree that immaterial changes to this Agreement such as time frame and mutually agreeable work program changes which will not result in a change to the total Agreement amount or to the scope of the Statement of Work may be authorized by the Public Works Director, or designee, in writing, and will not constitute an amendment to the Agreement.

#### **35. NEWS RELEASES/INTERVIEWS**

Contractor agrees for itself, its agents, employees, and subcontractors, it will not communicate with representatives of the communications media concerning the subject matter of this Agreement without prior written approval of the County Contract Manager. Contractor further agrees that all media requests for communication will be referred to County's responsible personnel.

#### **36. FEDERAL AND STATE PREVAILING WAGE RATES**

- A. Contractor shall comply with the State of California's General Prevailing Wage Rate requirements in accordance with California Labor Code, Section 1770, and all Federal, State, and local laws and ordinances applicable to the work.
- B. Any subcontract entered into as a result of this Agreement shall contain all of the provisions of this Article.
- C. When prevailing wages apply to the services described in the scope of work, transportation and subsistence costs shall be reimbursed at the minimum rates set by the Department of Industrial Relations (DIR) as outlined in the applicable Prevailing Wage Determination. See <http://www.dir.ca.gov>.
- D. No Contractor or subcontractor may be listed on a bid proposal for a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code § 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code § 1771.1(a)]; no Contractor or subcontractor may be awarded a contract for public work on a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code § 1725.5; and this project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

#### **37. COST PRINCIPLES AND ADMINISTRATIVE REQUIREMENTS**

- A. Contractor agrees that the Contract Cost Principles and Procedures, 48 CFR, Federal Acquisition Regulations System, Chapter 1, Part 31.000 et seq., shall be used to determine the allowable cost(s) of individual items.
- B. Contractor also agrees to comply with federal procedures in accordance with 2 CFR Part 200 Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Super or Omni Circular)
- C. Any costs for which payment has been made to Contractor that are determined by subsequent audit to be unallowable under applicable Federal Regulations, are subject to repayment by Contractor to County.
- D. All subcontracts shall contain the above provisions.

#### **38. SUBCONTRACTING**

- A. Nothing contained in this Agreement or otherwise, shall create any contractual relation between County and any subcontractor(s), and no subcontract shall relieve Contractor of its responsibilities and obligations hereunder. Contractor agrees to be as fully responsible to County for the acts and omissions of its subcontractor(s) and of persons either directly or indirectly employed by any of them as it is for the acts and omissions of persons directly employed by Contractor. Contractor's obligation to pay its subcontractor(s) is an independent obligation from County's obligation to make payments to the Contractor.
- B. Contractor shall perform the work contemplated with resources available within its own organization and no portion of the work pertinent to this Agreement shall be subcontracted without written authorization by County's designated representative, except that, which is expressly identified in the approved Cost Proposal.
- C. Contractor shall pay its subcontractors within ten (10) calendar days from receipt of each payment made to Contractor by County.
- D. Any subcontract entered into as a result of this Agreement shall contain all the provisions stipulated in this Agreement to be applicable to subcontractors.

- E. Any substitution of subcontractor(s) must be approved in writing by County's designated representative prior to the start of work by the subcontractor(s).

### **39. SUBCONTRACTORS**

Contractor is authorized to subcontract with **Sequoia Consultants, ACE Products & Consulting LLC, ASPHALT PAVEMENT AND RECYCLING, and Applied Research Associates (ARA) (formerly Dynatest)** as identified in Exhibit A-1 Contractor's Proposal. Contractor shall be fully responsible for all services performed by its subcontractor. Contractor shall secure from its subcontractor all rights for County in this Agreement, including audit rights. Contractor shall ensure subcontractor's compliance with California Labor Code, including but not limited to the payment of prevailing wage when required.

### **40. EQUIPMENT PURCHASES**

- A. Prior authorization in writing, by County's designated representative shall be required before Contractor enters into any unbudgeted purchase order, or subcontract exceeding \$5,000 for supplies, equipment, or Contractor services. Contractor shall provide an evaluation of the necessity or desirability of incurring such costs.
- B. For purchase of any item, service, or consulting work not covered in Contractor's Cost Proposal and exceeding \$5,000 prior authorization by County's designated representative; three competitive quotations must be submitted with the request, or the absence of bidding must be adequately justified.

Any equipment purchased as a result of this Agreement is subject to the following: "Contractor shall maintain an inventory of all nonexpendable property. Nonexpendable property is defined as having a useful life of at least two years and an acquisition cost of \$5,000 or more. If the purchased equipment needs replacement and is sold or traded in, County shall receive a proper refund or credit at the conclusion of the Agreement, or if the Agreement is terminated, Contractor may either keep the equipment and credit County in an amount equal to its fair market value, or sell such equipment at the best price obtainable at a public or private sale, in accordance with established County procedures; and credit County in an amount equal to the sales price. If Contractor elects to keep the equipment, fair market value shall be determined at Contractor's expense, on the basis of a competent independent appraisal of such equipment. Appraisals shall be obtained from an appraiser mutually agreeable to by County and Contractor, if it is determined to sell the equipment, the terms and conditions of such sale must be approved in advance by County."

- C. All subcontracts shall contain the above provisions.

### **41. AUDIT REVIEW PROCEDURES**

- A. Any dispute concerning a question of fact arising under an interim or post audit of this Agreement that is not disposed of by agreement, shall be reviewed by County's Deputy Director - Finance and Administration for Public Works.
- B. Not later than 30 days after issuance of the final audit report, Contractor may request a review by County's Chief Financial Officer of unresolved audit issues. The request for review will be submitted in writing.
- C. Neither the pendency of a dispute nor its consideration by County will excuse Contractor from full and timely performance, in accordance with the terms of this Agreement.
- D. Contractor and subcontractor contracts, including cost proposals and ICR, are subject to audits or reviews such as, but not limited to, a contract audit, an incurred cost audit, an ICR Audit, or a CPA ICR audit work paper review. If selected for audit or review, the Agreement, cost proposal, and ICR and related work papers, if applicable, will be reviewed to verify compliance with 48 CFR, Part 31 and other related laws and regulations. In the instances of a CPA ICR audit work paper review it is Contractor's responsibility to ensure federal, state, or local government officials are allowed full access to the CPA's work papers including making copies as necessary. The Agreement, cost proposal, and ICR shall be adjusted by Contractor and approved by County designated representative to conform to the audit or review recommendations. Contractor agrees that individual terms of costs identified in the audit report shall be incorporated into the Agreement by this reference if directed by County at its sole discretion. Refusal by Contractor to incorporate audit or review recommendations, or to ensure that the federal, state, or local governments have access to CPA work papers, will be considered a breach of contract terms and cause for termination of the Agreement and disallowance of prior reimbursed costs.



#### **42. REBATES, KICKBACKS OR OTHER UNLAWFUL CONSIDERATION**

Contractor warrants that this Agreement was not obtained or secured through rebates, kickbacks, or other unlawful consideration, either promised or paid to any County employee. For breach or violation of this warranty, County shall have the right in its discretion; to terminate the Agreement without liability; to pay only for the value of the work actually performed; or to deduct from the Agreement price; or otherwise recover the full amount of such rebate, kickback or other unlawful consideration.

#### **43. PROHIBITION OF EXPENDING COUNTY, STATE, OR FEDERAL FUNDS FOR LOBBYING**

A. Contractor certifies to the best of his or her knowledge and belief that:

- 1) No state, federal or County appropriated funds have been paid, or will be paid by-or-on behalf of Contractor to any person for influencing or attempting to influence an officer or employee of any state or federal agency; a Member of the State Legislature or United States Congress; an officer or employee of the Legislature or Congress; or any employee of a Member of the Legislature or Congress, in connection with the awarding of any state or federal contract; the making of any state or federal grant; the making of any state or federal loan; the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any state or federal contract, grant, loan, or cooperative agreement.
- 2) If any funds other than federal appropriated funds have been paid, or will be paid to any person for influencing or attempting to influence an officer or employee of any federal agency; a Member of Congress; an officer or employee of Congress, or an employee of a Member of Congress; in connection with this federal contract, grant, loan, or cooperative agreement; Contractor shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.

B. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

C. Contractor also agrees by signing this document that he or she shall require that the language of this certification be included in all lower-tier subcontracts which exceed \$100,000, and that all such sub recipients shall certify and disclose accordingly.

#### **44. CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT.**

Contractor shall comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q.) and pursuant to the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). The Contractor shall promptly disclose, in writing, to the County office, to the Federal Awarding Agency, and to the Regional Office of the Environmental Protection Agency (EPA), whenever, in connection with the award, performance, or closeout of this Agreement or any subcontract thereunder, the Contractor has credible evidence that a principal, employee, agent, or subcontractor of the Contractor has committed a violation of the Clean Air Act (42 U.S.C. 7401-7671q.) or the Federal Water Pollution Control Act (33 U.S.C. 1251-1387).

#### **45. PROCUREMENT OF RECOVERED MATERIALS**

Contractor must comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

#### **47. INDEFINITE DELIVERY, INDEFINITE QUANTITY**

This is an indefinite-quantity contract for the services specified, and effective for the period stated in Section 4. Performance shall be made only as authorized by task orders. The Contractor shall furnish to the County, when and if ordered, the services specified within the scope of Exhibit A and the specific task order, but shall in no way exceed the amount specified in Exhibit B. The County shall order at least the minimum amount of services shown in Exhibit B.

There is no limit on the number of task orders that may be issued. The County may issue task orders requiring delivery to multiple destinations or performance at multiple locations.

Any task order issued during the effective period shown in Section 4 of this Agreement and not completed within that period shall be completed by the Contractor within the time specified in the task order. The Agreement shall govern the Contractor's and County's rights and obligations with respect to that task order to the same extent as if the task order were completed during the contract's effective period; provided, that the Contractor shall not be required to provide any services under this Agreement after [6/30/2024](#).

# CONTRACTOR SIGNATURE PAGE

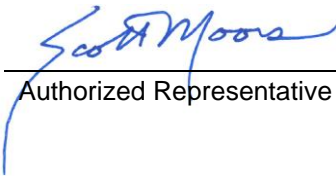
Agreement for services and work to be performed by Contractor between the County and Contractor.

**IN WITNESS WHEREOF**, the parties have executed this Agreement to be effective on the date executed by County.

**CONTRACTOR:**

Scott Moors  
NV5 WEST, INC.  
1868 Palma Dr, Ste A  
Ventura, CA 93003

NA  
Business Type: Corporation  
Scott.Moors@nv5.com  
805.656.6074

By:   
Authorized Representative

Date: 6/2/2021

## COUNTY SIGNATURE PAGE

Agreement for services and work to be performed by Contractor between the County and Contractor.

IN WITNESS WHEREOF, the parties have executed this Agreement to be effective on the date executed by County.

**ATTEST:**

Mona Miyasato  
County Executive Officer  
Clerk of the Board

**COUNTY OF SANTA BARBARA:**

Bob Nelson

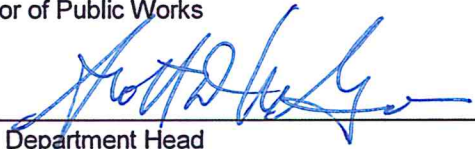
By: \_\_\_\_\_  
Deputy Clerk

By: \_\_\_\_\_  
Chair, Board of Supervisors

Date: \_\_\_\_\_

**RECOMMENDED FOR APPROVAL:**

Scott D. McGolpin  
Director of Public Works

By:  \_\_\_\_\_  
Department Head

Date: 6/24/21

**APPROVED AS TO FORM:**

Ray Aromatorio  
Risk Manager

By:  \_\_\_\_\_  
Deputy

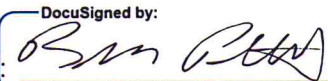
**APPROVED AS TO ACCOUNTING FORM:**

Betsy M. Schaffer, CPA  
Auditor-Controller

By:  \_\_\_\_\_  
Deputy

**APPROVED AS TO FORM:**

Rachel Van Mullem  
County Counsel

By:  \_\_\_\_\_  
Deputy County Counsel

## Exhibit A – Statement of Work

Ed Sullivan shall be the individual(s) personally responsible for providing all services hereunder. Contractor may not substitute other persons without the prior written approval of County's Designated Representative.

Work shall comply with the RFP and proposal dated April 30, 2021 (Attachment A) as modified by negotiated Cost Proposal included in Exhibit B and will occur pursuant to executed Task Orders.

Work shall be within the assigned maintenance Division of the County except as specified in the RFP and Exhibit B. The work includes only performing the material test and providing material test data as specified. The work does not provide an evaluation or a discipline report and is therefore a non-A&E (Architecture & Engineering) service (Reference: California Government Code §4527.)

The Contractor assigned maintenance Division is: SANTA BARBARA.



**Suspension for Convenience:** County may, without cause, order Contractor in writing to suspend, delay, or interrupt the services under this Agreement in whole or in part for up to 90 days. County shall incur no liability for suspension under this provision and suspension shall not constitute a breach of this Agreement.

## Exhibit B – Payment Arrangements Cost per Unit of Work

- A. The method of payment for the work shall be at the rate specified for each item, as described in this Exhibit. The specified rate shall include full compensation to Contractor for the item as described, including profit and overhead and also include but not be limited to, any repairs, maintenance, or insurance, and no further compensation will be allowed therefore. Additional compensation may only be authorized with a contract amendment.

Specific projects will be assigned to CONTRACTOR through issuance of Task Orders. After a project to be performed under this contract is identified by COUNTY, COUNTY will prepare a draft Task Order; less the cost estimate. When a project arises within the maintenance Division to which Contractor is assigned, that Contractor will automatically be selected for the required QAMTS which will be formally outlined in the draft Task Order. If a project is on the boundary between 2 maintenance Divisions, the QAMTS Contractor with the least total dollar amount of previously issued Task Orders will be selected for the work in question. If a countywide contract is awarded to construct work in various Divisions, then a Draft Task Order will be sent to the Contractor that has, to date, received the lowest cumulative dollar amount of previously issued TASK ORDERS. This process will continue such that whichever of the 3 Contractors has the lowest total dollar amount of existing TASK ORDERS at the time of the subject project award will be selected to perform the work via transmittal of a draft Task Order. In addition, work within a maintenance Division which cannot be performed by the assigned Contractor due to a lack of available staff, scheduling conflicts, et al other reasons that would delay the required QAMTS the work may be assigned to a Contractor from another maintenance Division at the sole discretion of the Contract Manager or their designee.

- B. A draft Task Order will identify the scope of services, period of performance, project schedule and will designate a COUNTY Project Coordinator. The draft Task Order will be delivered to CONTRACTOR for review. CONTRACTOR shall return the draft Task Order within five (5) calendar days along with a Cost Estimate, including a written estimate of the number of hours and hourly rates per staff person, any anticipated reimbursable expenses and total dollar amount. After agreement has been reached on the negotiable items and total cost; the finalized Task Order shall be signed by both COUNTY and CONTRACTOR. Projects, task orders, and overall contract budget will be tracked by the County; an example is the following table:

PROJECT	BUDGETED	REMAINING	TASK ORDER #1	TASK ORDER #2	TASK ORDER #3
TOTAL (MAXIMUM)	X	-	-	-	-
F.Y. 2022 HMA OVERLAY	Y	Y-Z1-Z2-Z3	Z1	Z2	Z3
TOTAL	-	X-Z1-Z2-Z3	-	-	-

- C. Payment for vehicle expenses for Contractor’s field personnel shall be **included in the items identified** per the approved Cost Proposal and shall provide for a fully equipped vehicle with flashing amber lights and other required equipment, as specified in Exhibit A, Statement of Work.
- D. The specified rate to be paid for testing work supplied by the Contractor (including all required tools, equipment, etc.) shall be as listed in the approved Cost Proposal which follows;

<b>COUNTY OF SANTA BARBARA PUBLIC WORKS TRANSPORTATION; QUALITY ASSURANCE PROGRAM</b>							
<b>QUALITY ASSURANCE MATERIAL TESTING</b>		PROJ.#	IDIQ02-QAMTS	2021-2024			
<b>ITEM NO.</b>	<b>TEST NO.</b>	<b>ITEM NAME/DESCRIPTION</b>		<b>UNIT</b>	<b>EST. QTY.</b>	<b>EST. UNIT COST</b>	<b>EST. COST</b>

-	-			-				-			-
1	ASTM E70		pH of Aqueous Solutions With the Glass Electrode	Each	2	\$65.00	\$130.00				
2	ASTM D5		Penetration of Bituminous Materials	Each	2	\$75.00	\$150.00				
3	ASTM D92		Flash and Fire Points by Cleveland Open Cup Tester	Each	2	\$105.00	\$210.00				
4	ASTM D244		Practices for Emulsified Asphalts	Each	2	\$120.00	\$240.00				
5	ASTM D412		Vulcanized Rubber and Thermoplastic Elastomers—Tension	Each	2	\$105.00	\$210.00				
6	ASTM D471		Rubber Property—Effect of Liquids	Each	2	\$195.00	\$390.00				
7	ASTM D1556/1557		Relative Compaction, Curve	Each	40	\$215.00	\$8,600.00				
8	ASTM D2006		Characteristic Groups in Rubber Extender and Processing Oils by the Precipitation Method	Each	2	\$450.00	\$900.00				
9	ASTM D2007		Characteristic Groups in Rubber Extender and Processing Oils and Other Petroleum-Derived Oils by the Clay-Gel Absorption Chromatographic Method	Each	2	\$450.00	\$900.00				
10	ASTM D2170		Kinematic Viscosity of Asphalts	Each	2	\$90.00	\$180.00				
11	ASTM D2171		Viscosity of Asphalts by Vacuum Capillary Viscometer	Each	2	\$350.00	\$700.00				
12	ASTM D2872		Effect of Heat and Air on a Moving Film of Asphalt (Rolling Thin-Film Oven Test)	Each	2	\$105.00	\$210.00				
13	ASTM D2922/6938		In Place Soil Density, Moisture	Each	500	\$1.00	\$500.00				
14	ASTM D4791		Flat and elongated particles	Each	50	\$190.00	\$9,500.00				
15	ASTM D6997		Distillation of Emulsified Asphalt	Each	2	\$135.00	\$270.00				
16	ASTM D7496		Viscosity of Emulsified Asphalt by Saybolt Furol Viscometer	Each	2	\$90.00	\$180.00				
17	ASTM C143		Concrete Slump	Each	100	\$1.00	\$100.00				
18	ASTM A934		Epoxy coated rebar adhesion/thickness	Each	10	\$200.00	\$2,000.00				
19	AASHTO R28		Pressure Aging Vessel (PAV)	Each	2	\$105.00	\$210.00				
20	AASHTO R59		Binder Recovery	Each	2	\$250.00	\$500.00				
21	AASHTO T27		Aggregate Gradation	Each	100	\$115.00	\$11,500.00				
22	AASHTO T44		Solubility	Each	2	\$130.00	\$260.00				
23	AASHTO T48		Flash Point	Each	2	\$105.00	\$210.00				
24	AASHTO T49		Penetration, 25 oC	Each	2	\$75.00	\$150.00				
25	AASHTO T51		Ductility	Each	2	\$110.00	\$220.00				
26	AASHTO T53		Softening Point of Bitumen	Each	2	\$100.00	\$200.00				
27	AASHTO T59		Test for Emulsified Asphalts	Each	2	\$135.00	\$270.00				
28	AASHTO T96		Los Angeles Rattler	Each	20	\$215.00	\$4,300.00				
29	AASHTO T164		RAP Binder content	Each	20	\$125.00	\$2,500.00				
30	AASHTO T176		Sand equivalent	Each	100	\$115.00	\$11,500.00				
31	AASHTO		RAP Specific gravity	Each	20	\$275.00	\$5,500.00				

	T209						
32	AASHTO T210		Durability Index	Each	20	\$215.00	\$4,300.00
33	AASHTO T240		Rolling Thin Film Oven (RTFO)	Each	2	\$120.00	\$240.00
34	AASHTO T255		Aggregate moisture content at continuous mixing plants and RAP moisture content at continuous mixing plants and batch mixing plants	Each	20	\$35.00	\$700.00
35	AASHTO T269		Air voids content	Each	20	\$115.00	\$2,300.00
36	AASHTO T283		Moisture Susceptibility	Each	2	\$1,850.00	\$3,700.00
37	AASHTO T301		Elastic Recovery	Each	2	\$110.00	\$220.00
38	AASHTO T304- A		Fine aggregate angularity	Each	20	\$180.00	\$3,600.00
39	AASHTO T308- A		Asphalt binder content	Each	20	\$225.00	\$4,500.00
40	AASHTO T313		Creep and Stiffness	Each	2	\$150.00	\$300.00
41	AASHTO T315		Dynamic Shear (all phases)	Each	2	\$150.00	\$300.00
42	AASHTO T316		Viscosity	Each	2	\$90.00	\$180.00
43	AAASTO T324		Hamburg wheel track	Each	10	\$1,495.00	\$14,950.00
44	AASHTO T329		HMA moisture content	Each	20	\$115.00	\$2,300.00
45	AASHTO T335		% of crushed particles coarse AND fine aggregate	Each	20	\$165.00	\$3,300.00
46	MS-2		VMA, DP, MS-2 Asphalt Mixture Volumetrics (7th Ed. 2015)	Each	20	\$100.00	\$2,000.00
47	California Test 202		Sieve Analysis	Each	100	\$105.00	\$10,500.00
48	California Test 206		Specific Gravity and Absorption of Coarse Aggregate	Each	20	\$110.00	\$2,200.00
49	California Test 207		Specific Gravity and Absorption of Fine Aggregate	Each	20	\$130.00	\$2,600.00
50	California Test 211		LA Rattler	Each	50	\$195.00	\$9,750.00
51	California Test 213		Organic Impurities in Concrete Sand	Each	10	\$95.00	\$950.00
52	California Test 214		Soundness of Aggregates by Use of Sodium Sulfate	Each	10	\$340.00	\$3,400.00
53	California Test 217		Sand Equivalent	Each	100	\$95.00	\$9,500.00
54	California Test 227		Cleanness Value	Each	50	\$120.00	\$6,000.00
55	California Test 229		Durability Index	Each	50	\$215.00	\$10,750.00
56	California Test 233		Gamma Gamma Logging	Each	20	\$325.00	\$6,500.00
57	California Test 301		R-Value	Each	50	\$285.00	\$14,250.00
58	California Test 331		Residue by evaporation	Each	2	\$95.00	\$190.00



59	California Test 332		Torsional recovery	Each	2	\$150.00	\$300.00
60	California Test 339		Field Test for the Determination of Distributor Spread Rate	Each	20	\$1.00	\$20.00
61	California Test 342		Portable Skid Testing	Day	2	\$5,900.00	\$11,800.00
62	California Test 375		Determining the In-Place Density and Relative Compaction of Hot Mix Asphalt Pavement Using Nuclear Gage	Each	115	\$1.00	\$115.00
63	California Test 384 (if RAP used)		Aggregate Gradation	Each	2	\$395.00	\$790.00
64	California Test 387(AASHTO R56 & R57)		Inertial Profiling	Day	2	\$5,000.00	\$10,000.00
65	California Test 401		Polymer content based on residual asphalt	Each	2	\$250.00	\$500.00
66	California Test 515		Relative Mortar Strength of Portland Cement Concrete Sand	Each	20	\$315.00	\$6,300.00
67	California Test 518		Unit Weight of Fresh Concrete	Each	20	\$35.00	\$700.00
68	California Test 521/539/540		Concrete Compressive Test Specimens	Each	300	\$25.00	\$7,500.00
69	California Test 533		Concrete Ball Penetration	Each	20	\$1.00	\$20.00
70	California Test 541		Flow of Grout Mixtures (Flow Cone Method)	Each	20	\$1.00	\$20.00
71	California Test 670	a	Mechanical & Welded Reinforcing Steel Splice; #8 -	Each	50	\$130.00	\$6,500.00
72	California Test 670	b	Mechanical & Welded Reinforcing Steel Splice; #9 to #11	Each	25	\$130.00	\$3,250.00
73	California Test 670	c	Mechanical & Welded Reinforcing Steel Splice; #14 +	Each	25	\$160.00	\$4,000.00
	-	PREVAILING WAGE(PW):	<a href="https://www.dir.ca.gov/OPRL/2021-1/PWD/index.htm">https://www.dir.ca.gov/OPRL/2021-1/PWD/index.htm</a>				
74	-INCLUDE TOTAL LOADED RATE		Field Soils and Materials Tester - Group 1 - P.W. (ACTUAL HRS, NO MINIMUMS)	HR	1030	\$115.00	\$118,450.00
75	-INCLUDE TOTAL LOADED RATE		Reinforced Concrete Tester -Group 2 - P.W.(ACTUAL HRS, NO MINIMUMS)	HR	8	\$135.00	\$1,080.00
76	-INCLUDE TOTAL LOADED RATE		Nondestructive Testing Tester - Group 3 - P.W.(ACTUAL HRS, NO MINIMUMS)	HR	8	\$115.00	\$920.00
77	-INCLUDE TOTAL LOADED RATE		Materials Testing Lab Manager	HR	100	\$125.00	\$12,500.00
78	-INCLUDE TOTAL LOADED RATE		Materials Testing Contract Manager (Registered GE,PE)	HR	40	\$175.00	\$7,000.00
79	-TRAVEL RATE; for expense for technicians driving to assigned work location and sample pickup/drop-off; including all the actual vehicle costs (fuel, insurance, lease, tax, etc. ALL); must include profit; ACTUAL HOURS, no minimums; County Line to jobsite location if lab is outside the County otherwise point of origin to jobsite.			HR	401	\$65.00	\$26,065.00

<b>YR1 TOTAL=</b>	<b>\$400,000</b>
<b>ANNUAL COST ESCALATION RATE (%)=</b>	<b>2.5</b>
<b>YR2 TOTAL=</b>	<b>\$410,000</b>
<b>YR3 TOTAL=</b>	<b>\$420,250</b>
<b>CONTRACT TOTAL=</b>	<b>\$1,230,250</b>

Each Task Order shall be negotiated with a specific amount of total units of work which must be based on the rates set forth in CONTRACTOR's Cost Proposal, shown above, **or at a negotiated Task Order-specific rate lower than the rates shown above.** Additional tests may be added to this list pursuant to County request and negotiation on cost and documented in writing.

- E. The method of payment for this contract will be based on cost per unit of work. County will reimburse Contractor for costs (including labor costs, employee benefits, travel, equipment-rental costs, profit, overhead and other direct costs) incurred by Contractor in performance of the work through the costs per unit of work above. Contractor will not be reimbursed for actual costs that exceed the estimated wage rates, employee benefits, travel, equipment rental, overhead and other estimated costs set forth in the approved Cost Proposal, unless additional reimbursement is provided for, by contract amendment. In no event, will Contractor be reimbursed for overhead costs at a rate that exceeds County approved overhead rate set forth in the approved Cost Proposal except for prevailing wage rates beyond the annual escalation rate. In the event, County determines that changed work from that specified in the approved Cost Proposal and contract is required; the actual costs reimbursable by County may be adjusted by contract amendment to accommodate the changed work. The maximum total cost as specified in Paragraph "M," shall not be exceeded unless authorized by contract amendment.
- F. Reimbursement for transportation and subsistence costs are included in the rates specified in the approved Cost Proposal. Regardless of inclusion in a cost proposal, the County shall not reimburse the Consultant for costs to relocate its personnel to the service area. The County shall not reimburse the Consultant for per diem costs, unless preapproved in writing by the County. The County shall not reimburse the Consultant for out-of-state travel without prior written approval from the County. The County shall not reimburse for housing accommodations unless explicitly outlined in a Task Order.
- G. Progress payments for each Task Order will be made monthly in arrears based on services provided. If Contractor fails to submit the required deliverable items according to the schedule set forth in the Statement of Work, County shall have the right to delay payment or terminate this Contract in accordance with the provisions of Section 28, Termination. Failure to submit the required deliverable items in the time specified may result in withholding of payment or permanent deductions from total payment if it results in a loss to the County due to delaying a construction project.
- H. No payment will be made prior to approval of any work, nor for any work performed prior to approval of this contract. A Task Order is of no force or effect until returned to COUNTY and signed by an authorized representative of COUNTY. No expenditures are authorized on a project and work shall not commence until a Task Order for that project has been executed by COUNTY.
- I. CONTRACTOR will be reimbursed, as promptly as fiscal procedures will permit upon receipt by COUNTY'S Contract Manager of itemized invoices. Separate invoices itemizing all costs are required for all work performed under each Task Order. Invoices shall be submitted no later than 45 calendar days after the performance of work for which CONTRACTOR is billing, or upon completion of the Task Order. Invoices shall detail the work performed on each project as applicable. Invoices shall follow the format stipulated for the approved Cost Proposal and shall reference this contract number, project title and Task Order number. Credits due COUNTY that include any equipment purchased under the provisions of Section 41 Equipment Purchase of this contract, must be reimbursed by CONTRACTOR prior to the expiration or termination of this contract. Invoices shall be mailed to COUNTY's Contract Manager at the following address:

Philip Gaston  
620 West Foster Road  
Santa Maria, CA 93455

- J. For personnel subject to prevailing wage rates as described in the California Labor Code, all salary increases greater than the agreed Cost Proposal annual cost escalation rate, which are the direct result of changes in the prevailing wage rates, are reimbursable.
- K. The period of performance for Task Orders shall be in accordance with dates specified in the Task Order. No Task Order will be written which extends beyond the expiration date of this Contract.
- L. The total amount payable by COUNTY for an individual Task Order shall not exceed the amount agreed to in the Task Order, unless authorized by contract amendment.
- M. Task Orders may not be used to amend this Agreement and may not exceed the scope of work under this Agreement.
- N. The total amount payable by COUNTY for all Task Orders resulting from this contract shall not exceed **\$1,230,250.00**. It is understood and agreed that a minimum amount of \$50,000.00 will be ordered during the performance period identified in Section 4. Otherwise, it is understood and agreed that there is no guarantee, either expressed or implied that any other dollar amount exceeding \$50,000.00 will be authorized under this contract through Task Orders.
- O. All subcontracts shall contain the above provisions.

# Exhibit C – Indemnification and Insurance Requirements (For Quality Assurance Materials Testing Contracts Only)

## **INDEMNIFICATION**

### A. Indemnification pertaining to other than Professional Services:

CONTRACTOR agrees to indemnify, defend (with counsel reasonably approved by COUNTY) and hold harmless COUNTY and its officers, officials, employees, agents and volunteers from and against any and all claims, actions, losses, damages, judgments and/or liabilities arising out of this Agreement from any cause whatsoever, arising out of or related to the CONTRACTOR'S work or activities for the COUNTY and for any costs or expenses (including but not limited to reasonable attorneys' fees) incurred by COUNTY on account of any such claim except where such indemnification is prohibited by law. CONTRACTOR's indemnification obligation does not apply to the COUNTY's sole negligence or willful misconduct.

### B. Indemnification pertaining to Professional Services:

CONTRACTOR agrees to defend, indemnify and hold harmless COUNTY and its officers, officials, employees, agents and volunteers from and against any and all claims, actions, losses, damages, judgments and/or liabilities arising out of the negligent performance or attempted performance of the provisions hereof; including any willful or negligent act or omission to act on the part of the CONTRACTOR or his agents or employees or other independent contractors directly responsible to him to the fullest extent allowable by law.

## **NOTIFICATION OF ACCIDENTS AND SURVIVAL OF INDEMNIFICATION PROVISIONS**

Contractor shall notify County immediately in the event of any accident or injury arising out of or in connection with this Agreement. The indemnification provisions in this Agreement shall survive any expiration or termination of this Agreement.

## **INSURANCE**

Contractor shall procure and maintain for the duration of this Agreement insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder and the results of that work by the Contractor, his agents, representatives, employees or subcontractors.

### A. Minimum Scope of Insurance

Coverage shall be at least as broad as:

1. **Commercial General Liability (CGL):** Insurance Services Office (ISO) Form CG 00 01 covering CGL on an "occurrence" basis, including products-completed operations, personal & advertising injury, with limits no less than \$1,000,000 per occurrence and \$2,000,000 in the aggregate.
2. **Automobile Liability:** ISO Form Number CA 00 01 covering any auto (Code 1), or if Contractor has no owned autos, hired, (Code 8) and non-owned autos (Code 9), with limit no less than \$1,000,000 per accident for bodily injury and property damage.
3. **Workers' Compensation:** as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease.
4. **Professional Liability (Errors and Omissions)** Insurance appropriate to the Contractor's profession, with limit of no less than \$1,000,000 per occurrence or claim, \$2,000,000 aggregate.

If the Contractor maintains higher limits than the minimums shown above, the County requires and shall be entitled to coverage for the higher limits maintained by the Contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the County.

### B. Other Insurance Provisions

The insurance policies are to contain, or be endorsed to contain, the following provisions:

1. **Additional Insured** – County, its officers, officials, employees, agents and volunteers are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations

performed by or on behalf of the Contractor including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the Contractor's insurance at least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10 and CG 20 37 if a later edition is used).

2. **Primary Coverage** – For any claims related to this Agreement, the Contractor's insurance coverage shall be primary insurance as respects the County, its officers, officials, employees, agents and volunteers. Any insurance or self-insurance maintained by the County, its officers, officials, employees, agents or volunteers shall be excess of the Contractor's insurance and shall not contribute with it.
3. **Notice of Cancellation** – Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the County.
4. **Waiver of Subrogation Rights** – Contractor hereby grants to County a waiver of any right to subrogation which any insurer of said Contractor may acquire against the County by virtue of the payment of any loss under such insurance. Contractor agrees to obtain any endorsement that may be necessary to effect this waiver of subrogation, but this provision applies regardless of whether or not the County has received a waiver of subrogation endorsement from the insurer.
5. **Deductibles and Self-Insured Retention** – Any deductibles or self-insured retentions must be declared to and approved by the County. The County may require the Contractor to purchase coverage with a lower deductible or retention or provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention.
6. **Acceptability of Insurers** – Unless otherwise approved by Risk Management, insurance shall be written by insurers authorized to do business in the State of California and with a minimum A.M. Best's Insurance Guide rating of "A- VII".
7. **Verification of Coverage** – Contractor shall furnish the County with proof of insurance, original certificates and amendatory endorsements as required by this Agreement. The proof of insurance, certificates and endorsements are to be received and approved by the County before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the Contractor's obligation to provide them. The Contractor shall furnish evidence of renewal of coverage throughout the term of the Agreement. The County reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.
8. **Failure to Procure Coverage** – In the event that any policy of insurance required under this Agreement does not comply with the requirements, is not procured, or is canceled and not replaced, County has the right but not the obligation or duty to terminate the Agreement. Maintenance of required insurance coverage is a material element of the Agreement and failure to maintain or renew such coverage or to provide evidence of renewal may be treated by County as a material breach of contract.
9. **Subcontractors** – Contractor shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and Contractor shall ensure that County is an additional insured on insurance required from subcontractors.
10. **Claims Made Policies** – If any of the required policies provide coverage on a claims-made basis:
  - i. The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work.
  - ii. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of contract work.
  - ii. If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the contract effective date, the Contractor must purchase "extended reporting" coverage for a minimum of five (5) years after completion of contract work.
11. **Special Risks or Circumstances** – County reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

Any failure, actual or alleged, on the part of County to monitor or enforce compliance with any of the insurance and indemnification requirements will not be deemed as a waiver of any rights on the part of County.



# Exhibit 10-O2 Contractor Contract DBE Commitment

July 23, 2015

LOCAL ASSISTANCE PROCEDURES MANUAL

Page 1 of 2

1. Local Agency: County of Santa Barbara      2. Contract DBE Goal: 0%
3. Project Description: Construction Material Testing Services, IDIQ, 2021-2024
4. Project Location: Countywide, Various, IDIQ
5. Contractor's Name: NV5 WEST INC.      6. Prime Certified DBE:       7. Total Contract Award Amount: \$1,230,250.00
8. Total Dollar Amount for **ALL** Subcontractors: undetermined      9. Total Number of **ALL** Subcontractors: 4

10. Description of Work, Service, or Materials Supplied	11. DBE Certification Number	12. DBE Contact Information	13. DBE Dollar Amount
Mechanical Coupler and Welded Rebar Testing	35308	Sequoia Consultants Inc. Orange, CA	undetermined assume \$5000
<b>Local Agency to Complete this Section</b>			
20. Local Agency Contract Number: <u>IDIQ02</u> 21. Federal-Aid Project Number: <u>NA</u> 22. Contract Execution Date: <u>7/13/2021</u>			<b>14. TOTAL CLAIMED DBE PARTICIPATION</b> \$ 5,000 0.5 %
Local Agency certifies that all DBE certifications are valid and information on this form is complete and accurate.  <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">                     23. Local Agency Representative's Name <u>Philip Gaston</u> </div> <div style="width: 45%;">                     24. Date <u>6/10/2021</u> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 45%;">                     25. Local Agency Representative's Name <u>Contract Manager</u> </div> <div style="width: 45%;">                     26. Phone <u>805-803-8776</u> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 45%;">                     27. Local Agency Representative's Title  </div> </div>			IMPORTANT: Identify all DBE firms being claimed for credit, regardless of tier. Written confirmation of each listed DBE is required.  <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">                     15. Preparer's Signature <u>Scott Moors</u> </div> <div style="width: 45%;">                     16. Date <u>6/10/2021</u> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 45%;">                     17. Preparer's Name <u>Vice President</u> </div> <div style="width: 45%;">                     18. Phone <u>805-656-6074</u> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 45%;">                     19. Preparer's Title  </div> </div>

DISTRIBUTION: 1. Original – Local Agency, 2. Copy – Caltrans District Local Assistance Engineer (DLAE). Failure to submit to DLAE within 30 days of contract execution may result in de-obligation of federal funds on contract.

**ADA Notice:**

For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento, CA 95814.

# Exhibit 10-O2 Contractor Contract DBE Commitment

July 23, 2015

EXHIBIT 10-O2 INSTRUCTIONS

Page 2 of 2

## CONTRACTOR SECTION

1. Local Agency - Enter the name of the local or regional agency that is funding the contract.
2. Contract DBE Goal - Enter the contract DBE goal percentage as it appears on the project advertisement.
3. Project Description - Enter the project description as it appears on the project advertisement (Bridge Rehab, Seismic Rehab, Overlay, Widening, etc).
4. Project Location - Enter the project location as it appears on the project advertisement.
5. Contractor's Name - Enter the Contractor's firm name.
6. Prime Certified DBE - Check box if prime Contractor is a certified DBE.
7. Total Contract Award Amount - Enter the total contract award dollar amount for the prime Contractor.
8. Total Dollar Amount for ALL Subcontractors – Enter the total dollar amount for all subcontracted Contractors. SUM = (DBEs + all Non-DBEs). Do not include the prime Contractor information in this count.
9. Total number of ALL subcontractors – Enter the total number of all subcontracted Contractors. SUM = (DBEs + all Non-DBEs). Do not include the prime Contractor information in this count.
10. Description of Work, Services, or Materials Supplied - Enter description of work, services, or materials to be provided. Indicate all work to be performed by DBEs including work performed by the prime Contractor's own forces, if the prime is a DBE. If 100% of the item is not to be performed or furnished by the DBE, describe the exact portion to be performed or furnished by the DBE. See LAPM Chapter 9 to determine how to count the participation of DBE firms.
11. DBE Certification Number - Enter the DBE's Certification Identification Number. All DBEs must be certified on the date bids are opened.
12. DBE Contact Information - Enter the name, address, and phone number of all DBE subcontracted Contractors. Also, enter the prime Contractor's name and phone number, if the prime is a DBE.
13. DBE Dollar Amount - Enter the subcontracted dollar amount of the work to be performed or service to be provided. Include the prime Contractor if the prime is a DBE. See LAPM Chapter 9 for how to count full/partial participation.
14. Total Claimed DBE Participation - \$: Enter the total dollar amounts entered in the 'DBE Dollar Amount' column. %: Enter the total DBE participation claimed ('Total Participation Dollars Claimed' divided by item 'Total Contract Award Amount'). If the total % claimed is less than item 'Contract DBE Goal,' an adequately documented Good Faith Effort (GFE) is required (see Exhibit 15-H DBE Information - Good Faith Efforts of the LAPM).
15. Preparer's Signature - The person completing the DBE commitment form on behalf of the Contractor's firm must sign their name.
16. Date - Enter the date the DBE commitment form is signed by the Contractor's preparer.
17. Preparer's Name - Enter the name of the person preparing and signing the Contractor's DBE commitment form.
18. Phone - Enter the area code and phone number of the person signing the Contractor's DBE commitment form.
19. Preparer's Title - Enter the position/title of the person signing the Contractor's DBE commitment form.

## LOCAL AGENCY SECTION

20. Local Agency Contract Number - Enter the Local Agency contract number or identifier.
21. Federal-Aid Project Number - Enter the Federal-Aid Project Number.
22. Contract Execution Date - Enter the date the contract was executed.
23. Local Agency Representative's Signature - The person completing this section of the form for the Local Agency must sign their name to certify that the information in this and the Contractor Section of this form is complete and accurate.
24. Date - Enter the date the DBE commitment form is signed by the Local Agency Representative.
25. Local Agency Representative's Name - Enter the name of the Local Agency Representative certifying the Contractor's DBE commitment form.
26. Phone - Enter the area code and phone number of the person signing the Contractor's DBE commitment form.
27. Local Agency Representative Title - Enter the position/title of the Local Agency Representative certifying the Contractor's DBE commitment form.



PROPOSAL for  
**INDEFINITE DELIVERY-INDEFINITE QUANTITY  
“AS NEEDED” CONSTRUCTION QUALITY ASSURANCE  
MATERIAL TESTING SERVICES  
3 YEAR CONTRACT TERM**

Agreement for Services- Construction Material  
Testing Services, NV5 West Inc., 2021-2024 -  
ATTACHMENT A

April 30, 2021

Prepared For:



**COUNTY OF SANTA BARBARA**  
**PUBLIC WORKS DEPARTMENT - TRANSPORTATION DIVISION**  
123 East Anapamu Street  
Santa Barbara, CA 93101



**N|V|5**

NV5 WEST, INC.  
1868 Palma Drive, Suite A  
Ventura, CA 93003  
805.656.6074

PROPOSAL P2021.06.0061



**COUNTY OF SANTA BARBARA  
PUBLIC WORKS DEPARTMENT-TRANSPORTATION DIVISION**

April 30, 2021

123 East Anapamu Street  
Santa Barbara, CA 93101

Proposal No. 2021.06.0061

Attention: Philip Gaston, Contract Manager

**Subject: Proposal for Indefinite Delivery-Indefinite Quantity “As Needed” Construction Quality Assurance Material Testing Services – 3 Year Contract Term**

NV5 West, Inc. is pleased to present this Proposal summarizing NV5’s qualifications and experience providing Construction Materials Sampling, Field Inspection, and Laboratory Testing services. This Proposal is submitted in response to Santa Barbara’s Request for Proposals.

NV5 acknowledges receipt of the following addenda:

1. Addendum 1 – dated 4/23/2021
2. Addendum 2 – dated 4/26/2021

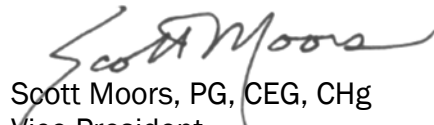
NV5 brings a uniquely well-qualified team of experienced professionals and supporting quality management systems to provide whatever services the County may require. Our team brings unique qualifications to Santa Barbara County, including:

- **Proximity to Santa Barbara County:** Our fully-equipped Ventura materials laboratory is located 16.6 miles from the Santa Barbara County line and will provide virtually all field and laboratory services for the County’s projects. Limited ancillary services will be provided by well-qualified subcontractors as described herein.
- **Extensive local experience** providing similar construction quality assurance services on thousands of local transportation infrastructure projects in Santa Barbara and Ventura counties, and throughout California for over sixty years.
- **Responsive Dispatch and Reporting:** NV5 is committed to expeditiously responding to dispatch requests and to providing timely test results in accordance with the County’s reporting timeframes. NV5 realizes that responsive Construction Quality Assurance (CQA) services are essential to successful project execution and management. NV5 has a dynamic dispatch system including off-hour contact numbers for the NV5 management team. NV5 will endeavor to fulfill last-minute and emergency service and testing requests to support the project schedule and Construction Management Team.
- **Large, experienced staff dedicated to your projects.** Herein, we present our experienced project team for the County’s projects. Within the past 4 months we have hired additional field, laboratory and management staff including Ed Sullivan, Jesse Wooten, Peter Cornell, and Howell Betus.
- **One of the Largest and Most Capable Testing Labs in California;** certified by Caltrans (IA), CCRL, ARML, DSA, OSHPD, Corps of Engineers, and AASHTO (R-18).

- **Pavement Rehabilitation Experts** with the best equipped lab and comprehensive expertise in concrete and asphalt pavement evaluation and repair.
- **Accountability:** Our close proximity, local staff, and effective quality systems ensure the County the most cost-effective geotechnical and materials testing services.

NV5 appreciates this opportunity to present our qualifications and we are excited to continue working with the County on your upcoming projects.

*Respectfully Submitted,*  
**NV5 West, Inc.**



Scott Moors, PG, CEG, CHg  
Vice President



Ed Sullivan  
Construction Services Manager

## TABLE OF CONTENTS

### **Transmittal Letter**

### **Company Information**

Removed

### **Staffing**

Removed

### **Conflict of Interest**

### **Litigation**

Removed

*(Items below excluded from page count limit)*

### **Attachment - Contractor Information Sheet**

Removed

Removed Staff Resumes

### **Attachment - Lab & Staff Certifications**

### **Attachment – Subcontractor Certifications**



## COMPANY PROFILE

## NV5 SUMMARY

NV5 is a nationally recognized consulting firm providing a diverse spectrum of engineering and quality assurance related services. Founded locally in 1959 as BTC Labs, NV5 has earned a reputation for delivering quality service at reasonable costs by successfully completing thousands of projects for private and public sector clients. NV5's diverse experience covers all facets of construction including public infrastructure, hospitals, military facilities, K-12 schools, colleges and universities, transportation, commercial, and high-rise construction.

In March 2010, BTC Labs joined the NV5, Inc. group of companies, becoming NV5 West, Inc. NV5 is a national consultancy operating five service-line "Verticals":

- ▼ **Construction**  
Quality Assurance
- ▼ **Infrastructure**  
Engineering
- ▼ **Energy**  
Services
- ▼ **Program**  
Management
- ▼ **Environmental**  
Services

NV5's Ventura offices specialize in design and construction services for public agencies, including:

- ✦ Geotechnical Design Investigations
- ✦ Construction Inspection
- ✦ Environmental Consulting
- ✦ DSA/OSHPD Inspection
- ✦ Construction Materials Testing
- ✦ Pavement Engineering & Evaluation

In addition to Geotechnical and Materials Testing, NV5's Ventura office provides comprehensive survey services, including:

- ✦ Construction Surveying
- ✦ High Definition Scanning, LiDAR, Ortho Photography
- ✦ Land Surveying & Land Management
- ✦ Public Agency Map Checking & 3<sup>rd</sup> Party Support
- ✦ Aerial & Conventional Topographic Surveys
- ✦ Easement & Right-of-Way Acquisition

NV5's Ventura *Geotechnical and Materials Laboratory* is recognized as one of the oldest and most sophisticated in California, certified by:



## COMPANY INFORMATION

- **Legal Name:** **NV5 West, Inc. (founded locally as BTC Labs - 1959)**  
**A subsidiary of NV5, Inc., incorporated: Delaware - Dec. 23, 2009**  
**DUNS # 962003054; DIR Registration # 1000008663**
- **Local Office:** **1868 Palma Drive, Ste. A, Ventura, California 93003**
- **NV5 Headquarters:** **Hollywood, FL**
- **Point of Contact:** **Ed Sullivan - Construction Services Manager**  
**Phone: 805.656.6074; Cell: 805.732.3168**  
**email: ed.sullivan@NV5.com**
- **Employees:** **30 employees in Ventura**  
**NV5: 500+ employees in California; 4,000+ employees nationwide**
- **Insurance**

General Liability - Each Occurrence:	\$ 1M	Automobile Liability:	\$ 1M
General Aggregate:	\$ 2M	Workers Compensation:	\$ 1M
Professional Liability: Claim \$ 5M, Aggregate \$10M		Umbrella Liability:	\$ 5M

## PROXIMITY TO SANTA BARBARA COUNTY



NV5 has over 20 offices throughout California. Our fully-staffed Ventura office is an easy 17-mile drive to the Santa Barbara county line and will provide staffing and management for virtually all NV5 services for the County. We are fully staffed, perfectly situated, and ready to respond immediately to all requests.

Our Ventura office maintains one of the largest and most sophisticated materials laboratories in California. We have a professional staff of approximately 30 engineers, managers, inspectors, technicians and surveyors. In addition to our Ventura office, our Bakersfield, San Diego, Los Angeles, Irvine, and San Jose offices are poised to provide additional inspectors, technicians, survey crews, and technical-support staff if required.

## NV5 SAFETY

NV5 maintains a comprehensive safety policy for all of our field, laboratory, travel, and office work practices. Our company Safety Manual and safety records are available for review upon request.

Our field staff are provisioned with company-provided personal protective equipment including mandatory hard hats, safety glasses, hearing protection and high-visibility safety vests. Safety harnesses, lanyards, air monitoring equipment, radiation monitoring badges and other equipment are provided as appropriate. NV5 conducts regular safety meetings for both field and laboratory personnel.

NV5 also provides periodic formal safety training courses including CFR Title 49 §170-189 Nuclear Gauge Radiation Safety, OSHA Confined Space Entry, OSHA Trench Safety, and Hazardous Waste Operations (HAZWOPER).

***The safety and health*** of every employee is our highest priority. While NV5 deploys staff to potentially hazardous construction sites, management embraces the responsibility for providing a safe working environment and employees are expected and required to take responsibility for performing work in accordance with safe standards and practices. Success will only be achieved through teamwork and a universal commitment to promoting safety and taking every reasonable measure to assure safe working conditions.\*

- from NV5 Safety Manual

## KNOWLEDGE OF CONSTRUCTION PRACTICES FOR PUBLIC WORKS

NV5 West's primary business line is providing quality assurance services for public works construction projects. We work for State, regional, and local agencies on projects from freeways to water resources and from local roads to low-impact development. NV5 provides experienced public works inspectors, construction engineering support, special inspection services, and materials engineering and testing services for dozens of Public Works agencies throughout the State. Our broad and deep knowledge of public works procedures, best practices, building codes and standard specifications, combined with our local expertise, empowers NV5 as an invaluable resource for agencies managing routine or complex construction projects

## KNOWLEDGE OF CALTRANS AND ASTM PROCEDURES

As one of the leading Caltrans-certified testing labs in the region, currently working on several of the largest Caltrans local oversight public works projects in California, NV5 offers extensive expertise in Caltrans Test Methods, Caltrans Standard Specifications, and Caltrans

construction procedures. Our technical staff are routinely certified in Caltrans Test Methods for material sampling, soils, aggregate, asphalt, and concrete.

Our expertise in ASTM and AASHTO testing methods and procedures is unrivaled in the state of California. Drawing upon over 50-years of corporate experience with public works, transportation, educational, hospital, and private construction, we maintain some of the most qualified and extensively certified testing labs in California. Our library maintains subscriptions to 1,000's of current ASTM and AASHTO reference standards.

## NV5 QUALITY ASSURANCE PROGRAM (QAP)

As a Caltrans, AASHTO, and CCRL-certified laboratory, NV5 maintains a comprehensive Quality Assurance Program encompassing all our field, laboratory, and office activities. Our QAP encompasses training and, organizational responsibilities from management to technician, safety, certification of technical staff, equipment calibration and maintenance, best practices and standard operating procedures, document control, report review and quality control, proficiency sample programs, professional decorum and appearance, and professional ethics.

## PARTICIPATION IN REFERENCE SAMPLE PROGRAMS

NV5 actively participates in Caltrans, AMRL and CCRL Reference Sample and Proficiency Sample Programs to ensure that test methods and results are accurate and repeatable. Our Ventura Lab is enrolled in the following Proficiency Sample Programs:

- CALTRANS Annual RSP
- AMRL - Fine Aggregate
- AMRL - Aggregate, R-Value
- AMRL - Coarse Aggregate
- AMRL - Soil Classification & Compaction Extraction
- AMRL - Hot Mix Asphalt Ignition Oven
- AMRL - Hot Mix Asphalt Solvent
- CCRL - Masonry Units
- CCRL - Concrete
- CCRL - Reinforcing Steel

## NV5 DASHBOARD



**#27**  
Top 500 Design Firms 2020

2020 CSE Cx Giants Top 25

**#10**



MEP GIANTS 2020 Top 100

**#19**



**100** LOCATIONS WORLDWIDE

**4,000** EMPLOYEES

**1,500** TECHNICALLY LICENSED



TOP RANKED

**#1** 2020 **HOT FIRM** ZWEIG GROUP

**FORTUNE**

**#83** 100 Fastest Growing Companies 2020

**BD + C**

**#6** Top 40 Engineering Architecture Firms 2020

**#60**

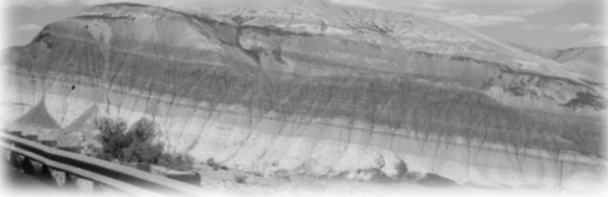
Top 150 Global Firms List 2020

**ENR** Engineering News-Record



## NV5 WEST SERVICES

### GEOTECHNICAL CONSULTING



NV5's geotechnical engineers, geologists, and technicians provide technical design expertise and practical construction experience with practical solutions for challenging geotechnical site conditions. Our geotechnical services include:

- ✓ **Geotechnical Investigations**
- ✓ **Analysis & Design**
- ✓ **Laboratory Testing**
- ✓ **Field Observation & Testing**

With over sixty years' experience, offices nationwide, and 1000's of successfully completed projects, our geotechnical disciplines include:

- **Engineering Geology**
- **Hydrogeology**
- **Subsurface Exploration**
- **Groundwater Evaluation**
- **Seismic Risk Assessment**
- **Liquefaction Hazard Eval.**
- **Retaining Wall Analysis**
- **Pavement Design**
- **Expert Witness Testimony**
- **Geotechnical Engineering**
- **Foundation Studies**
- **Geologic Mapping**
- **Landslides & Slope Stability**
- **Fault Hazard Evaluation**
- **Deep Foundation Analysis**
- **Grading Observation**
- **Forensic Evaluation**
- **3<sup>rd</sup>-Party/ Municipal Review**

### CONSTRUCTION INSPECTION



NV5's deep bench of deputy and special inspectors provide comprehensive inspection from site work through building envelope. Inspectors operate under the technical supervision of our engineering manager and are trained to proactively resolve conflicts and work towards clean closure of building permits in the following disciplines:

- **Reinforced Concrete**
- **Pre-Stressed/ PT Concrete**
- **Structural Masonry**
- **Shotcrete**

- **Structural Steel Welding**
- **High Strength Bolting**
- **Non-Destructive Testing**
- **Spray-Applied Fireproofing**
- **Plant Inspect - HMA/Conc**
- **Deep Foundations**

Our inspectors are certified by:

- **International Code Council (ICC)**
- **American Welding Soc (AWS)**
- **American Concrete Inst (ACI)**
- **Caltrans, NACE, ASNT**
- **CA Div of State Architect (DSA)**
- **Local Building Officials**

### CONSTRUCTION MATERIALS TESTING



Expert laboratory analysis is a vital component of virtually every service NV5 provides. Our laboratories are equipped & certified to test:

- **Aggregates**
- **Asphaltic Concrete**
- **Soils**
- **Concrete**
- **Masonry**
- **Mortar / Grout**
- **Shotcrete**
- **Reinforcing Steel**
- **Structural Steel**
- **Steel & Paint Thickness**
- **Fireproofing**
- **Concrete Paving**

As one of the most sophisticated materials laboratories in the nation, our engineers oversee specialty field and lab tests including:

- **Superpave HMA**
- **Concrete Drying Shrinkage**
- **Concrete Petrography**
- **Floor Flatness F<sub>F</sub> & F<sub>L</sub>**
- **C33 Compliance Testing**
- **Floor Moisture Emission**
- **Alkali-Silica Reactivity**
- **Forensic Material Evaluation**

The building code requires testing labs be certified and participate in proficiency sample programs. NV5's labs are inspected and accredited by:



### NON-DESTRUCTIVE TESTING



NV5 provides complete NDT Services supervised by our ASNT Level III Inspector and accepted by DSA and OSHPD. Our NDT procedures include:

- Ultrasonic Testing
- Magnetic Particle
- Schmidt Hammer Surveys
- Dye-Penetrant
- Anchor Pull Testing
- Ground Penetrating Radar

## PAVEMENT CONSULTING



NV5 maintains some of the foremost asphalt testing facilities in California. Our labs test and evaluate virtually any asphalt or roadway material and we are one of California's leaders in Superpave testing. All technicians are trained and Caltrans-certified to provide technically sound, defensible data you can rely upon. Our pavement engineers provide practical and cost-effective pavement rehab recommendations based upon decades of construction expertise.

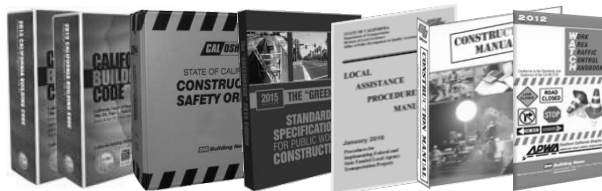
- Pavement Evaluation and Rehab Recommendations
- Public Works Inspection
- Asphalt Batch Plant Inspection
- Asphalt Lay Down Inspection
- Superpave Testing: Gyrotory & Hamburg
- Fully-Equipped Pavement Coring Truck
- Mobile Asphalt Laboratory
- Forensic Pavement Evaluation
- Asphalt Mix Design: Marshall, Hveem, Superpave
- Asphalt Laboratory Testing, including:
  - ◆ Gyrotory Compaction
  - ◆ Hamburg Wheel Tracker
  - ◆ Bulk Specific Gravity
  - ◆ Hveem Stability/R-Value
  - ◆ Surface Abrasion (CT 360)
  - ◆ Wet Track Abrasion
  - ◆ Solvent Extraction
  - ◆ Marshall Stability & Flow

## PUBLIC WORKS INSPECTION

NV5's seasoned construction inspectors are focused on 3 primary goals: building projects within budget, completing projects on schedule, and meeting specified quality standards. Our inspectors bring practical construction experience combined with NV5's breadth of engineering expertise to benefit your infrastructure projects. With unparalleled Caltrans and pavement

rehabilitation expertise, we add invaluable knowhow as an extension of your inspection staff.

- Greenbook (SSPWC)
- Caltrans Standard Plans & Specifications
- Caltrans Local Assistance Procedure Manual
- Caltrans Construction Manual
- CalOSHA Construction Safety Orders
- APWA Work Area Traffic Control Handbook (WATCH)
- Calif. Building Code



## DSA / OSHPD INSPECTION

Building upon 50+ years of schoolhouse construction experience, NV5's DSA PIs and OSHPD IORs provide "personal, continuous inspection of all work" as required under Title 24A for the Building Code. NV5 has a seasoned team of DSA Class 1, 2, and 3 PIs and Class A and B OSHPD IORs with the training and experience to achieve clean closure of school and hospital construction under State building authority.

## ROOFING & WATERPROOFING



Alleged roof-related construction defects are one of the most litigated areas of construction disputes. NV5's engineering and Registered Roofing Consultants, in conjunction with our experienced roofing and waterproofing inspectors, can be a key asset for new construction projects or forensic studies. Our consulting services include:

- Roof condition surveys and reports
- Remaining service life estimates
- Budget estimates for maintenance/replacement
- Leak investigations
- Construction Quality Assurance monitoring
- Forensic services and expert witness testimony





## STAFFING

## STAFFING

Our experienced project team is presented below in our Project Organization Chart. Brief experience synopses for our proposed Contract Manager, Project Manager, and Laboratory Manager are provided below. Selected resumes for key staff and staff certification records are presented as attachments.

NV5's technical staff and managers specialize in providing precisely the services anticipated under this IDIQ contract. We have recently added several new key management, field and laboratory staff to augment our existing large and local staff.

- **Scott Moors**, PG, CEG, CHg, is NV5's Vice President and will be the **Contract Manager** for the project. Mr. Moors is an experienced expert in geotechnical consulting, pavement engineering, concrete materials, construction inspection and testing, and asphalt pavements with over 30-years of experience in California. Mr. Moors has been the Project Manager for dozens of similar projects for agencies including the State of California, Caltrans, Ventura and Santa Barbara counties, Santa Barbara (city), Ventura, Oxnard, Thousand Oaks, Simi Valley, Moorpark, 17 other cities, & 27 local school districts.
- **Ed Sullivan**, is NV5's **Construction Services Manager** and will be the **Project Manager** for this IDIQ project. Mr. Sullivan has more than 32 years of experience providing Construction Materials Testing Services in California and has managed numerous water related infrastructure construction projects in the southern California region. Mr. Sullivan will be the primary contact for the project and will be available to the Construction Management Team on a daily basis and after hours for last minute service requests and technical support.
- **Shaun Simon**, PE, CEG is our **Engineering & Laboratory Manager** with over 17 years of directly-related professional experience. Shaun provides management and technical support on geotechnical and materials engineering projects and oversees our testing laboratory. Shaun has managed scores of geotechnical studies and hundreds of geotechnical and materials testing projects.
- **Field Inspectors & Technicians:** NV5 has a large staff of highly-experienced field and laboratory inspectors and technicians. The following matrix shows staff NV5 will make available for Santa Barbara's upcoming projects. Most of NV5's staff have many years of directly related experience and are cross trained across several disciplines, adding value for the County on its important projects. The following Organization Chart shows staff available for your projects.

## SUBCONSULTANTS

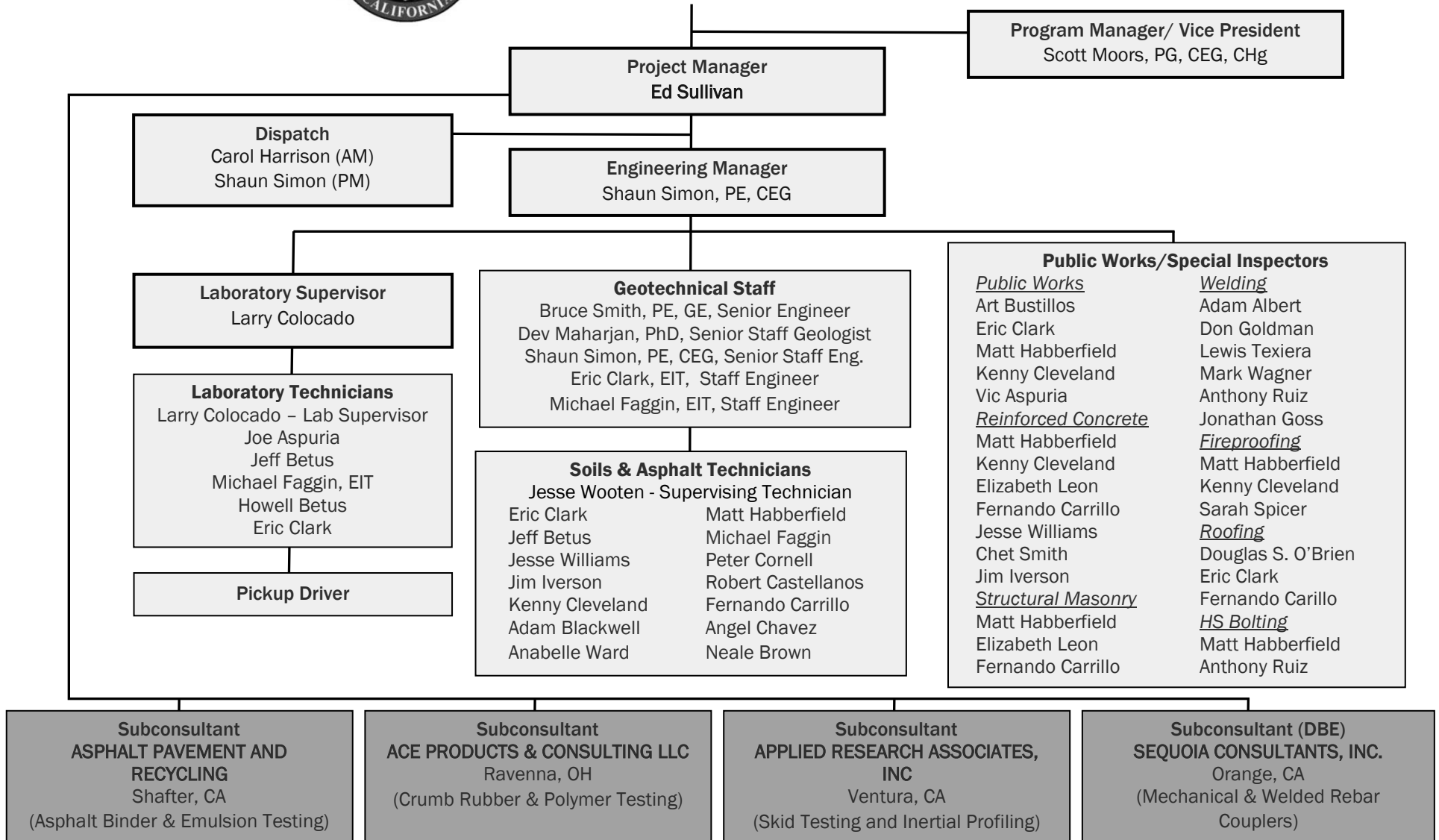
NV5 is fully staffed and equipped to provide virtually all anticipated services under this agreement. Selected and qualified subcontractors will be used as follows if the need arises. Subcontracts are presented below with anticipated services. Certification records are presented as an attachment.

- **ACE Products & Consulting LLC**  
 6800 Chestnut St. Suite C  
 Ravenna, OH 44266  
 (Crumb Rubber & polymer related testing - Cost Proposal Line Items 5, 6, 8, 9, & 65)
- **Asphalt Pavement And Recycling Technologies, Inc. (APART)**  
 5207 Minter Field Avenue  
 Shafter, CA 93263-4024  
 (Asphalt Binder & Emulsion testing - Cost Proposal Line Items 1-4, 10-12, & 15-16)
- **Applied Research Associates (ARA) – formerly Dynatest,**  
 165 South Chestnut St, Ventura, CA 93001  
 (Skid Testing and Inertial Profiling - Cost Proposal Line Items 61 & 64)
- **Sequoia Consultants, Inc.**  
 361 W. Grove Ave., Orange, CA 92865  
 (Mechanical & Welded Rebar Coupler Tests - Cost Proposal Line Items 18 & 72-73)



# NV5

## NV5 - Ventura ORGANIZATION CHART



**Program Manager/ Vice President**  
Scott Moors, PG, CEG, CHg

**Project Manager**  
Ed Sullivan

**Dispatch**  
Carol Harrison (AM)  
Shaun Simon (PM)

**Engineering Manager**  
Shaun Simon, PE, CEG

**Laboratory Supervisor**  
Larry Colocado

**Geotechnical Staff**  
Bruce Smith, PE, GE, Senior Engineer  
Dev Maharjan, PhD, Senior Staff Geologist  
Shaun Simon, PE, CEG, Senior Staff Eng.  
Eric Clark, EIT, Staff Engineer  
Michael Faggin, EIT, Staff Engineer

**Public Works/Special Inspectors**

<u>Public Works</u>	<u>Welding</u>
Art Bustillos	Adam Albert
Eric Clark	Don Goldman
Matt Habberfield	Lewis Texiera
Kenny Cleveland	Mark Wagner
Vic Aspuria	Anthony Ruiz
<u>Reinforced Concrete</u>	Jonathan Goss
Matt Habberfield	<u>Fireproofing</u>
Kenny Cleveland	Matt Habberfield
Elizabeth Leon	Kenny Cleveland
Fernando Carrillo	Sarah Spicer
Jesse Williams	<u>Roofing</u>
Chet Smith	Douglas S. O'Brien
Jim Iverson	Eric Clark
<u>Structural Masonry</u>	Fernando Carrillo
Matt Habberfield	<u>HS Bolting</u>
Elizabeth Leon	Matt Habberfield
Fernando Carrillo	Anthony Ruiz

**Laboratory Technicians**  
Larry Colocado - Lab Supervisor  
Joe Aspuria  
Jeff Betus  
Michael Faggin, EIT  
Howell Betus  
Eric Clark

**Soils & Asphalt Technicians**  
Jesse Wooten - Supervising Technician  
Eric Clark  
Jeff Betus  
Jesse Williams  
Jim Iverson  
Kenny Cleveland  
Adam Blackwell  
Anabelle Ward  
Matt Habberfield  
Michael Faggin  
Peter Cornell  
Robert Castellanos  
Fernando Carrillo  
Angel Chavez  
Neale Brown

**Pickup Driver**

**Subconsultant**  
**ASPHALT PAVEMENT AND RECYCLING**  
Shafter, CA  
(Asphalt Binder & Emulsion Testing)

**Subconsultant**  
**ACE PRODUCTS & CONSULTING LLC**  
Ravenna, OH  
(Crumb Rubber & Polymer Testing)

**Subconsultant**  
**APPLIED RESEARCH ASSOCIATES, INC**  
Ventura, CA  
(Skid Testing and Inertial Profiling)

**Subconsultant (DBE)**  
**SEQUOIA CONSULTANTS, INC.**  
Orange, CA  
(Mechanical & Welded Rebar Couplers)

## ADDITIONAL SECTIONS



## CONFLICT OF INTEREST

NV5 does not have any financial, business or other relationships with the County of Santa Barbara or any member of the County staff that may have an impact on the outcome of the various projects or result in any actual, apparent, or perceived conflict of interest. Due to the politicized nature of public contracts, NV5 has specific policies to mitigate any actual or perceived conflict of interest.

NV5 does occasional work with contractors and materials suppliers who may work for the County. NV5 will scrupulously avoid any potential contractor-client conflict of interest on any project where NV5 is involved. NV5 will disclose any existing contractual relationships with a contractor on a specific project. Note that NV5's primary business line is public infrastructure projects working for public agencies. Potential conflicts of interest are rare.

## LITIGATION

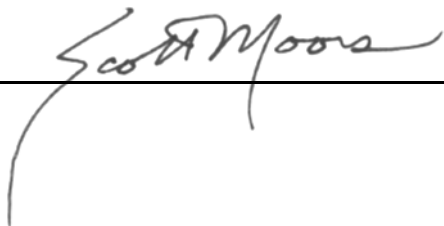
NV5 has been established for many decades and we are currently ranked as ENR #27 Design Services firm in the country. The industry in which we provide professional services yields claims that arise from time to time. Claims that arise consist predominantly of general allegations related to professional errors or omissions for work performed under a contract or project. NV5 maintains adequate insurance coverage to protect against such claims. We believe there are no claims or lawsuits either threatened or pending that would impair the company's ability to perform on this request for proposal.

## AGREEMENT FOR SERVICES OF INDEPENDENT CONTRACTOR

NV5 understands that that the proposal terms will remain in effect for ninety (90) days following the date proposal submittals are due. NV5 reviewed the Agreement for Services of Independent Contractor in the RFP and takes no exceptions.

NV5's financial management and accounting system fully conform to the requirements of 49 CFR Part 18, 48 CFR Part 31, and 2 CFR Part 200.

Scott Moors, NV5 Vice President acknowledges acceptance of the terms of the Standard Agreement, "Agreement for Services of Independent Contractors."

Signature:  \_\_\_\_\_

## CONTRACTOR INFORMATION SHEET

Name of Proposer   NV5 WEST INC  

Business P.O. Box \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Business Street Address   1868 Palma Dr, Ste A    
(Include even if P.O. Box is used)

City, State, Zip   Ventura, CA 93003  

Telephone No.   805.656.6074   Fax No. \_\_\_\_\_

Contractor License No. \_\_\_\_\_ License Classification \_\_\_\_\_

Public Works Contractor Registration No.   1000008663  

Business Type (Check One) Corporation:   XXX   Partnership: \_\_\_\_\_ Sole Proprietorship: \_\_\_\_\_

Contact Person Name   Ed Sullivan  

Contact Person Phone No.   805-656-6074  

Contact Person Email   ed.sullivan@NV5.com  

Employer's Tax Identification Number   27-1979620

**LABORATORY AND STAFF CERTIFICATIONS**



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

## Certificates for EDWARD CLEVELAND

Basic Information	
<b>First Name</b>	EDWARD
<b>Last Name</b>	CLEVELAND
<b>Status</b>	Active

Associated Labs				
Total 1 item.				
Lab Name	Manager Name	Full Address	District	Page Alias
NV5 West, Inc	Shaun Simon	1868 Palma Drive, Suite A, Ventura, CA 93003	7	Lab 1

Test Methods					
<b>California Test (CT) Certifications</b>					
Total 9 items.					
Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 231 Relative Compaction - Nuclear Gage	2019-11-01	Expired	Seree Yenjai	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 375 AC Density by Nuclear Gage	2019-11-01	Expired	Seree Yenjai	Lab 1	(No comments)
CT 504 Air Content of PCC - Pressure Method (JTCP - PCC)	2021-04-30	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 518 Unit Weight - PCC (JTCP - PCC)	2021-04-30	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 539 Sampling Fresh Concrete (JTCP - PCC)	2021-04-30	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 540 Making Cylinders - PCC (JTCP - PCC)	2021-04-30	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 543 Air Content of PCC - Volumetric Method (JTCP - PCC)	2021-04-30	Active	Sarbjit Grewal	(No lab)	(No comments)
CT 556 Slump - PCC (JTCP - PCC)	2021-04-30	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 557 Temperature - PCC (JTCP - PCC)	2021-04-30	Active	Sarbjit Grewal	Lab 1	(No comments)

### AASHTO/ASTM Proficiencies

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
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Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
No results found.					

Unofficial Copy



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

## Certificates for Eric Clark

Basic Information	
<b>First Name</b>	Eric
<b>Last Name</b>	Clark
<b>Status</b>	Active

Associated Labs				
Total 1 item.				
Lab Name	Manager Name	Full Address	District	Page Alias
NV5 West, Inc	Shaun Simon	1868 Palma Drive, Suite A, Ventura, CA 93003	7	Lab 1

Test Methods					
<h3>California Test (CT) Certifications</h3>					
Total 22 items.					
Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 105 Calculations - Gradings (JTCP - HMA I / S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 125 AGG Sampling - AGGREGATES (JTCP - HMA I / S&A)	2022-10-18	Active	Sarbjit Grewal	(No lab)	(No comments)
CT 125 CEM Sampling - CEM	2021-08-13	Active	Seree Yenjai	(No lab)	(No comments)
CT 125 HMA Sampling - HMA (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)
CT 201 Sample Preparation - Soil and Aggregates (JTCP - S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 202 Sieve analysis - Fine and Coarse Aggregates (JTCP - S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 205 Percent Crushed Particles (JTCP - S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 216 Relative Compaction - Soils and Aggregates (JTCP - S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 217 Sand Equivalent (JTCP - S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 226 Moisture Content - Soils and Aggregates (JTCP - S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)





Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 227 Cleanness Value (JTCP - S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 229 Durability (JTCP - S&A)	2022-10-18	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 231 Relative Compaction - Nuclear Gage	2021-07-08	Active	Seree Yenjai	Lab 1	(No comments)
CT 375 AC Density by Nuclear Gage	2021-07-08	Active	Seree Yenjai	Lab 1	(No comments)
CT 504 Air Content of PCC - Pressure Method (JTCP - PCC)	2023-01-25	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 518 Unit Weight - PCC (JTCP - PCC)	2023-01-25	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 533 Ball Penetration - PCC	2021-08-13	Active	Seree Yenjai	Lab 1	(No comments)
CT 539 Sampling Fresh Concrete (JTCP - PCC)	2023-01-25	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 540 Making Cylinders - PCC (JTCP - PCC)	2023-01-25	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 543 Air Content of PCC - Volumetric Method (JTCP - PCC)	2023-01-25	Active	Sarbjit Grewal	(No lab)	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 556 Slump - PCC (JTCP - PCC)	2023-01-25	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 557 Temperature - PCC (JTCP - PCC)	2023-01-25	Active	Sarbjit Grewal	Lab 1	(No comments)

## AASHTO/ASTM Proficiencies

Total 9 items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T11 Sieve Analysis (Washing) - Fine Aggregates (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)
AASHTO T27 Sieve Analysis - Fine and Coarse Aggregates (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)
AASHTO R47 Reducing Samples of HMA (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)
AASHTO R76 Reducing Samples of Agg (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T176 Sand Equivalent (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)
AASHTO T248 Reducing Samples of Agg. (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)
AASHTO T255 Evaporable Moisture Content (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)
AASHTO T329 Moisture Content (Oven Method) - HMA (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)
AASHTO T335 Percentage of Fracture (JTCP - HMA I)	2021-06-15	Active	Biplab Bhattacharya	(No lab)	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

## Certificates for Joe Aspuria

Basic Information	
<b>First Name</b>	Joe
<b>Last Name</b>	Aspuria
<b>Status</b>	Active

Associated Labs				
Total 1 item.				
Lab Name	Manager Name	Full Address	District	Page Alias
NV5 West, Inc	Shaun Simon	1868 Palma Drive, Suite A, Ventura, CA 93003	7	Lab 1

Test Methods					
California Test (CT) Certifications					
Total 7 items.					
Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 504 Air Content of PCC - Pressure Method (JTCP - PCC)	2020-05-02	Expired	Sarbjit Grewal	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 518 Unit Weight - PCC (JTCP - PCC)	2020-05-02	Expired	Sarbjit Grewal	Lab 1	(No comments)
CT 539 Sampling Fresh Concrete (JTCP - PCC)	2020-05-02	Expired	Sarbjit Grewal	Lab 1	(No comments)
CT 540 Making Cylinders - PCC (JTCP - PCC)	2020-05-02	Expired	Sarbjit Grewal	Lab 1	(No comments)
CT 543 Air Content of PCC - Volumetric Method (JTCP - PCC)	2020-05-02	Expired	Sarbjit Grewal	(No lab)	(No comments)
CT 556 Slump - PCC (JTCP - PCC)	2020-05-02	Expired	Sarbjit Grewal	Lab 1	(No comments)
CT 557 Temperature - PCC (JTCP - PCC)	2020-05-02	Expired	Sarbjit Grewal	Lab 1	(No comments)

### AASHTO/ASTM Proficiencies

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
No results found.					



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

## Certificates for MATT HABBERFIELD

Basic Information	
<b>First Name</b>	MATT
<b>Last Name</b>	HABBERFIELD
<b>Status</b>	Active

Associated Labs				
Total 1 item.				
Lab Name	Manager Name	Full Address	District	Page Alias
NV5 West, Inc	Shaun Simon	1868 Palma Drive, Suite A, Ventura, CA 93003	7	Lab 1

Test Methods					
<b>California Test (CT) Certifications</b>					
Total 2 items.					
Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 231 Relative Compaction - Nuclear Gage	2019-07-24	Expired	Seree Yenjai	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 375 AC Density by Nuclear Gage	2019-07-24	Expired	Seree Yenjai	Lab 1	(No comments)

### AASHTO/ASTM Proficiencies

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
No results found.					

Unofficial Copy



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

## Certificates for Peter Cornell

Basic Information	
<b>First Name</b>	Peter
<b>Last Name</b>	Cornell
<b>Status</b>	Active

Associated Labs				
Total 1 item.				
Lab Name	Manager Name	Full Address	District	Page Alias
Fugro USA Land, Inc.	Matthew Pollard	4820 McGrath St. Suite 100, Ventura, CA 93003	7	Lab 1

Test Methods					
California Test (CT) Certifications					
Total 26 items.					
Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 105 Calculations - Gradings (JTCP - HMA I / S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)





Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 125 ADMIX Sampling - ADMIXTURE	2022-07-12	Active	Robby Rodriguez	Lab 1	IA74 - supposed to be a 3yr certificate as of 7-12-2019. SIAD will not allow a 3 yr option. This expiration is 7-12-22.
CT 125 AGG Sampling - AGGREGATES (JTCP - HMA I / S&A)	2022-07-12	Active	Robby Rodriguez	Lab 1	IA74 - supposed to be a 3yr certificate as of 7-12-2019. SIAD will not allow a 3 yr option. This expiration is 7-12-22.
CT 125 BIT Sampling - BITUMINOUS	2022-07-12	Active	Robby Rodriguez	Lab 1	IA74 - supposed to be a 3yr certificate as of 7-12-2019. SIAD will not allow a 3 yr option. This expiration is 7-12-22.



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 125 CEM Sampling - CEM	2022-07-12	Active	Robby Rodriguez	Lab 1	IA74 - supposed to be a 3yr certificate as of 7-12-2019. SIAD will not allow a 3 yr option. This expiration is 7-12-22.
CT 125 GEN Sampling - GENERAL	2022-07-12	Active	Robby Rodriguez	Lab 1	IA74 - supposed to be a 3yr certificate as of 7-12-2019. SIAD will not allow a 3 yr option. This expiration is 7-12-22.
CT 125 HMA Sampling - HMA (JTCP - HMA I)	2022-07-12	Active	Robby Rodriguez	Lab 1	IA74 - supposed to be a 3yr certificate as of 7-12-2019. SIAD will not allow a 3 yr option. This expiration is 7-12-22.
CT 201 Sample Preparation - Soil and Aggregates (JTCP - S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 202 Sieve analysis - Fine and Coarse Aggregates (JTCP - S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 205 Percent Crushed Particles (JTCP - S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 216 Relative Compaction - Soils and Aggregates (JTCP - S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 217 Sand Equivalent (JTCP - S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 226 Moisture Content - Soils and Aggregates (JTCP - S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 227 Cleanness Value (JTCP - S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 229 Durability (JTCP - S&A)	2023-01-17	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 231 Relative Compaction - Nuclear Gage	2020-07-10	Expired	Robby Rodriguez	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 504 Air Content of PCC - Pressure Method (JTCP - PCC)	2018-08-28	Expired	Robby Rodriguez	Lab 1	(No comments)
CT 518 Unit Weight - PCC (JTCP - PCC)	2018-08-29	Expired	Robby Rodriguez	Lab 1	(No comments)
CT 523.1 Section B.1 & B.2 Flexural Strength (Field Fabrication)	2020-07-12	Expired	Robby Rodriguez	Lab 1	(No comments)
CT 523.2 Section B.3 Flexural Strength (Lab Test)	2020-07-12	Expired	Robby Rodriguez	(No lab)	(No comments)
CT 524 Flexural Strength of Rapid Strength - PCC	2020-07-12	Expired	Robby Rodriguez	Lab 1	(No comments)
CT 533 Ball Penetration - PCC	2020-07-10	Expired	Robby Rodriguez	Lab 1	(No comments)
CT 539 Sampling Fresh Concrete (JTCP - PCC)	2018-08-29	Expired	Robby Rodriguez	Lab 1	(No comments)
CT 540 Making Cylinders - PCC (JTCP - PCC)	2018-08-29	Expired	Robby Rodriguez	Lab 1	(No comments)
CT 556 Slump - PCC (JTCP - PCC)	2017-08-30	Expired	Robby Rodriguez	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 557 Temperature - PCC (JTCP - PCC)	2017-08-30	Expired	Robby Rodriguez	Lab 1	(No comments)

### AASHTO/ASTM Proficiencies

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
No results found.					

Unofficial Copy



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

## Certificates for Adam Blackwell

Basic Information	
<b>First Name</b>	Adam
<b>Last Name</b>	Blackwell
<b>Status</b>	Active

Associated Labs				
Total 1 item.				
Lab Name	Manager Name	Full Address	District	Page Alias
NV5	Jesse Williams	2015 Westwind Drive, Bakersfield, CA 93301	6	Lab 1

Test Methods					
<b>California Test (CT) Certifications</b>					
Total 26 items.					
Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 105 Calculations - Gradings (JTCP - HMA I / S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 106 Definitions - Specific Gravity (SpG)	2018-07-25	Expired	Seree Yenjai	Lab 1	(No comments)
CT 125 AGG Sampling - AGGREGATES (JTCP - HMA I / S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 125 CEM Sampling - CEM	2019-03-06	Expired	Seree Yenjai	Lab 1	(No comments)
CT 125 GEN Sampling - GENERAL	2018-09-28	Expired	Seree Yenjai	Lab 1	(No comments)
CT 125 HMA Sampling - HMA (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	Lab 1	(No comments)
CT 201 Sample Preparation - Soil and Aggregates (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 202 Sieve analysis - Fine and Coarse Aggregates (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 205 Percent Crushed Particles (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 216 Relative Compaction - Soils and Aggregates (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 217 Sand Equivalent (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 226 Moisture Content - Soils and Aggregates (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 227 Cleanness Value (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 229 Durability (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 231 Relative Compaction - Nuclear Gage	2020-06-12	Expired	Seree Yenjai	Lab 1	(No comments)
CT 370 Moisture Content by Microwave	2019-09-18	Expired	Seree Yenjai	(No lab)	(No comments)
CT 382 AC Content by Ignition Oven	2019-09-18	Expired	Seree Yenjai	Lab 1	(No comments)
CT 504 Air Content of PCC - Pressure Method (JTCP - PCC)	2023-08-25	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 518 Unit Weight - PCC (JTCP - PCC)	2023-08-25	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 533 Ball Penetration - PCC	2021-03-18	Active	Majid Fahrtosh	Lab 1	(No comments)





Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 539 Sampling Fresh Concrete (JTCP - PCC)	2023-08-25	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 540 Making Cylinders - PCC (JTCP - PCC)	2023-08-25	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 541 Flow Cone	2021-03-18	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 543 Air Content of PCC - Volumetric Method (JTCP - PCC)	2023-08-25	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 556 Slump - PCC (JTCP - PCC)	2023-08-25	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 557 Temperature - PCC (JTCP - PCC)	2023-08-25	Active	Biplab Bhattacharya	Lab 1	(No comments)

## AASHTO/ASTM Proficiencies

Total 8 items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T11 Sieve Analysis (Washing) - Fine Aggregates (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T27 Sieve Analysis - Fine and Coarse Aggregates (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	Lab 1	(No comments)
AASHTO R47 Reducing Samples of HMA (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	(No lab)	(No comments)
AASHTO R76 Reducing Samples of Agg (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	Lab 1	(No comments)
AASHTO T176 Sand Equivalent (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	Lab 1	(No comments)
AASHTO T255 Evaporable Moisture Content (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	Lab 1	(No comments)
AASHTO T329 Moisture Content (Oven Method) - HMA (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	(No lab)	(No comments)
AASHTO T335 Percentage of Fracture (JTCP - HMA I)	2022-03-15	Active	Jasdeep Sandhu	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

## Certificates for Angel Chavez

### Basic Information

<b>First Name</b>	Angel
<b>Last Name</b>	Chavez
<b>Status</b>	Active

### Associated Labs

Total 1 item.

Lab Name	Manager Name	Full Address	District	Page Alias
NV5	Jesse Williams	2015 Westwind Drive, Bakersfield, CA 93301	6	Lab 1

### Test Methods

#### California Test (CT) Certifications

Total 9 items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 105 Calculations - Gradings (JTCP - HMA I / S&A)	2023-06-30	Active	Sarbjit Grewal	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 125 AGG Sampling - AGGREGATES (JTCP - HMA I / S&A)	2023-03-06	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 201 Sample Preparation - Soil and Aggregates (JTCP - S&A)	2023-06-30	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 205 Percent Crushed Particles (JTCP - S&A)	2023-03-06	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 216 Relative Compaction - Soils and Aggregates (JTCP - S&A)	2023-03-06	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 217 Sand Equivalent (JTCP - S&A)	2023-03-06	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 226 Moisture Content - Soils and Aggregates (JTCP - S&A)	2023-03-06	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 227 Cleanness Value (JTCP - S&A)	2023-03-06	Active	Sarbjit Grewal	Lab 1	(No comments)
CT 229 Durability (JTCP - S&A)	2023-03-06	Active	Sarbjit Grewal	Lab 1	(No comments)

## AASHTO/ASTM Proficiencies

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
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Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
No results found.					

Unofficial Copy



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

## Certificates for Anabelle Ward

### Basic Information

<b>First Name</b>	Anabelle
<b>Last Name</b>	Ward
<b>Status</b>	Active

### Associated Labs

Total 1 item.

Lab Name	Manager Name	Full Address	District	Page Alias
NV5	Jesse Williams	2015 Westwind Drive, Bakersfield, CA 93301	6	Lab 1

### Test Methods

#### California Test (CT) Certifications

Total 4 items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 204 LL, PL, PI	2021-03-18	Active	Majid Fahrtoosh	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 231 Relative Compaction - Nuclear Gage	2020-08-06	Expired	Pedro Reyes	Lab 1	(No comments)
CT 234 Uncompacted void - Fine Aggregates	2021-03-18	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 541 Flow Cone	2021-02-19	Active	Majid Fahrtoosh	Lab 1	(No comments)

### AASHTO/ASTM Proficiencies

Total 1 item.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T312 Gyrotory Compactor	2021-03-18	Active	Majid Fahrtoosh	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

## Certificates for Jesse Williams

Basic Information	
<b>First Name</b>	Jesse
<b>Last Name</b>	Williams
<b>Status</b>	Active

Associated Labs				
Total 1 item.				
Lab Name	Manager Name	Full Address	District	Page Alias
NV5	Jesse Williams	2015 Westwind Drive, Bakersfield, CA 93301	6	Lab 1

Test Methods					
California Test (CT) Certifications					
Total 41 items.					
Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 105 Calculations - Gradings (JTCP - HMA I / S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)





Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 106 Definitions - Specific Gravity (SpG)	2023-06-30	Active	Pedro Reyes	Lab 1	(No comments)
CT 125 ADMIX Sampling - ADMIXTURE	2017-10-19	Expired	Pedro Reyes	Lab 1	(No comments)
CT 125 AGG Sampling - AGGREGATES (JTCP - HMA I / S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)
CT 125 BIT Sampling - BITUMINOUS	2017-10-19	Expired	Pedro Reyes	Lab 1	(No comments)
CT 125 CEM Sampling - CEM	2017-10-19	Expired	Pedro Reyes	Lab 1	(No comments)
CT 125 GEN Sampling - GENERAL	2017-10-19	Expired	Pedro Reyes	Lab 1	(No comments)
CT 125 HMA Sampling - HMA (JTCP - HMA I)	2017-10-19	Expired	Pedro Reyes	Lab 1	(No comments)
CT 201 Sample Preparation - Soil and Aggregates (JTCP - S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)
CT 202 Sieve analysis - Fine and Coarse Aggregates (JTCP - S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)
CT 204 LL, PL, PI	2021-02-18	Active	Majid Fahrtoosh	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 205 Percent Crushed Particles (JTCP - S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)
CT 206 SpG & Absorption - Coarse Aggregates	2021-03-18	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 207 SpG & Absorption - Fine Aggregates	2021-02-18	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 212 Unit Weight of Aggregates	2021-03-18	Active	Majid Fahrtoosh	(No lab)	(No comments)
CT 216 Relative Compaction - Soils and Aggregates (JTCP - S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)
CT 217 Sand Equivalent (JTCP - S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)
CT 226 Moisture Content - Soils and Aggregates (JTCP - S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)
CT 227 Cleanness Value (JTCP - S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)
CT 229 Durability (JTCP - S&A)	2022-01-11	Active	Richard Hibbard	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 231 Relative Compaction - Nuclear Gage	2021-08-06	Active	Pedro Reyes	Lab 1	(No comments)
CT 234 Uncompacted void - Fine Aggregates	2021-02-18	Active	Majid Fahrtosh	Lab 1	(No comments)
CT 308 Bulk SpG and Density - HMA	2021-02-18	Active	Majid Fahrtosh	Lab 1	(No comments)
CT 309 Max SpG and Density - HMA	2021-02-18	Active	Majid Fahrtosh	Lab 1	(No comments)
CT 375 AC Density by Nuclear Gage	2021-02-18	Active	Majid Fahrtosh	Lab 1	(No comments)
CT 382 AC Content by Ignition Oven	2021-02-19	Active	Majid Fahrtosh	Lab 1	(No comments)
CT 504 Air Content of PCC - Pressure Method (JTCP - PCC)	2022-10-21	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 518 Unit Weight - PCC (JTCP - PCC)	2022-10-21	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 521 Compressive Strength - PCC	2020-11-20	Expired	Pedro Reyes	Lab 1	(No comments)
CT 523.1 Section B.1 & B.2 Flexural Strength (Field Fabrication)	2020-11-20	Expired	Pedro Reyes	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 523.2 Section B.3 Flexural Strength (Lab Test)	2020-11-20	Expired	Pedro Reyes	(No lab)	(No comments)
CT 524 Flexural Strength of Rapid Strength - PCC	2020-11-20	Expired	Pedro Reyes	Lab 1	(No comments)
CT 531 Core Length - PCC	2018-09-18	Expired	Pedro Reyes	Lab 1	(No comments)
CT 533 Ball Penetration - PCC	2020-11-20	Expired	Pedro Reyes	Lab 1	(No comments)
CT 539 Sampling Fresh Concrete (JTCP - PCC)	2022-10-21	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 540 Making Cylinders - PCC (JTCP - PCC)	2022-10-21	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 541 Flow Cone	2018-03-14	Expired	Pedro Reyes	Lab 1	(No comments)
CT 543 Air Content of PCC - Volumetric Method (JTCP - PCC)	2022-10-21	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 552 Relative Compaction of Polymer Concrete	2021-03-18	Active	Majid Fahrtoosh	(No lab)	(No comments)
CT 556 Slump - PCC (JTCP - PCC)	2022-10-21	Active	Biplab Bhattacharya	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 557 Temperature - PCC (JTCP - PCC)	2022-10-21	Active	Biplab Bhattacharya	Lab 1	(No comments)

## AASHTO/ASTM Proficiencies

Total **10** items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T84 SpG & Absorption - Fine Aggregates	2019-08-07	Expired	Pedro Reyes	Lab 1	(No comments)
AASHTO T85 SpG & Absorption - Coarse Aggregates	2019-06-29	Expired	Pedro Reyes	Lab 1	(No comments)
AASHTO T166 Bulk SpG of Compacted HMA - SSD (JTCP - HMA II)	2022-02-07	Active	Richard Hibbard	Lab 1	(No comments)
AASHTO T176 Sand Equivalent (JTCP - HMA I)	2019-05-22	Expired	Pedro Reyes	Lab 1	(No comments)
AASHTO T209 Max SpG and Density - HMA (JTCP - HMA II)	2022-02-07	Active	Richard Hibbard	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T269 Percent Air Voids - HMA (JTCP - HMA II)	2022-02-07	Active	Richard Hibbard	(No lab)	(No comments)
AASHTO T275 Bulk SpG - HMA (JTCP - HMA II)	2022-02-07	Active	Richard Hibbard	Lab 1	(No comments)
AASHTO T308 AC Content (Ignition Oven) - HMA (JTCP - HMA II)	2022-02-07	Active	Richard Hibbard	Lab 1	(No comments)
AASHTO T312 Gyratory Compactor	2021-03-18	Active	Majid Fahrtosh	Lab 1	(No comments)
AASHTO T324 Hamburg Wheel-Track	2021-02-19	Active	Majid Fahrtosh	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

## Certificates for Neale Brown

Basic Information	
<b>First Name</b>	Neale
<b>Last Name</b>	Brown
<b>Status</b>	Active

Associated Labs				
Total 1 item.				
Lab Name	Manager Name	Full Address	District	Page Alias
NV5	Jesse Williams	2015 Westwind Drive, Bakersfield, CA 93301	6	Lab 1

Test Methods					
California Test (CT) Certifications					
Total 34 items.					
Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 105 Calculations - Gradings (JTCP - HMA I / S&A)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 106 Definitions - Specific Gravity (SpG)	2023-06-30	Active	Pedro Reyes	Lab 1	(No comments)
CT 125 AGG Sampling - AGGREGATES (JTCP - HMA I / S&A)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 125 BIT Sampling - BITUMINOUS	2018-10-17	Expired	Pedro Reyes	Lab 1	(No comments)
CT 125 CEM Sampling - CEM	2018-03-14	Expired	Pedro Reyes	Lab 1	(No comments)
CT 125 GEN Sampling - GENERAL	2019-09-18	Expired	Pedro Reyes	Lab 1	(No comments)
CT 125 HMA Sampling - HMA (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 201 Sample Preparation - Soil and Aggregates (JTCP - S&A)	2022-05-24	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 202 Sieve analysis - Fine and Coarse Aggregates (JTCP - S&A)	2022-05-24	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 205 Percent Crushed Particles (JTCP - S&A)	2022-05-24	Active	Shaya Meisamifard	Lab 1	(No comments)





Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 206 SpG & Absorption - Coarse Aggregates	2019-01-17	Expired	Pedro Reyes	Lab 1	(No comments)
CT 207 SpG & Absorption - Fine Aggregates	2018-10-17	Expired	Pedro Reyes	Lab 1	(No comments)
CT 216 Relative Compaction - Soils and Aggregates (JTCP - S&A)	2022-05-24	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 217 Sand Equivalent (JTCP - S&A)	2022-05-24	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 226 Moisture Content - Soils and Aggregates (JTCP - S&A)	2022-05-24	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 227 Cleanness Value (JTCP - S&A)	2022-05-24	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 229 Durability (JTCP - S&A)	2022-05-24	Active	Shaya Meisamifard	Lab 1	(No comments)
CT 231 Relative Compaction - Nuclear Gage	2021-10-20	Active	Martiniano Ruiz	Lab 1	(No comments)
CT 308 Bulk SpG and Density - HMA	2019-09-18	Expired	Pedro Reyes	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 309 Max SpG and Density - HMA	2019-09-18	Expired	Pedro Reyes	Lab 1	(No comments)
CT 382 AC Content by Ignition Oven	2018-10-17	Expired	Pedro Reyes	Lab 1	(No comments)
CT 504 Air Content of PCC - Pressure Method (JTCP - PCC)	2021-11-05	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 518 Unit Weight - PCC (JTCP - PCC)	2021-11-05	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 521 Compressive Strength - PCC	2020-11-20	Expired	Pedro Reyes	Lab 1	(No comments)
CT 523.1 Section B.1 & B.2 Flexural Strength (Field Fabrication)	2021-02-18	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 523.2 Section B.3 Flexural Strength (Lab Test)	2021-02-18	Active	Majid Fahrtoosh	(No lab)	(No comments)
CT 524 Flexural Strength of Rapid Strength - PCC	2021-02-18	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 533 Ball Penetration - PCC	2020-11-20	Expired	Pedro Reyes	Lab 1	(No comments)
CT 539 Sampling Fresh Concrete (JTCP - PCC)	2021-11-05	Active	Biplab Bhattacharya	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 540 Making Cylinders - PCC (JTCP - PCC)	2021-11-05	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 541 Flow Cone	2018-03-14	Expired	Pedro Reyes	Lab 1	(No comments)
CT 543 Air Content of PCC - Volumetric Method (JTCP - PCC)	2021-11-05	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 556 Slump - PCC (JTCP - PCC)	2021-11-05	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 557 Temperature - PCC (JTCP - PCC)	2021-11-05	Active	Biplab Bhattacharya	Lab 1	(No comments)

## AASHTO/ASTM Proficiencies

Total 15 items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T11 Sieve Analysis (Washing) - Fine Aggregates (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)
AASHTO T27 Sieve Analysis - Fine and Coarse Aggregates (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO R47 Reducing Samples of HMA (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	(No lab)	(No comments)
AASHTO R76 Reducing Samples of Agg (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)
AASHTO T166 Bulk SpG of Compacted HMA - SSD (JTCP - HMA II)	2022-05-30	Active	Jasdeep Sandhu	Lab 1	(No comments)
AASHTO T176 Sand Equivalent (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)
AASHTO T209 Max SpG and Density - HMA (JTCP - HMA II)	2022-05-30	Active	Jasdeep Sandhu	Lab 1	(No comments)
AASHTO T255 Evaporable Moisture Content (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)
AASHTO T269 Percent Air Voids - HMA (JTCP - HMA II)	2022-05-30	Active	Jasdeep Sandhu	(No lab)	(No comments)
AASHTO T275 Bulk SpG - HMA (JTCP - HMA II)	2022-05-30	Active	Jasdeep Sandhu	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T308 AC Content (Ignition Oven) - HMA (JTCP - HMA II)	2022-05-30	Active	Jasdeep Sandhu	Lab 1	(No comments)
AASHTO T312 Gyratory Compactor	2019-05-22	Expired	Pedro Reyes	Lab 1	(No comments)
AASHTO T324 Hamburg Wheel-Track	2019-09-18	Expired	Pedro Reyes	Lab 1	(No comments)
AASHTO T329 Moisture Content (Oven Method) - HMA (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	(No lab)	(No comments)
AASHTO T335 Percentage of Fracture (JTCP - HMA I)	2022-05-10	Active	Shaya Meisamifard	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

## Certificates for Ryan DeVault

### Basic Information

<b>First Name</b>	Ryan
<b>Last Name</b>	DeVault
<b>Status</b>	Active

### Associated Labs

Total 1 item.

Lab Name	Manager Name	Full Address	District	Page Alias
NV5	Jesse Williams	2015 Westwind Drive, Bakersfield, CA 93301	6	Lab 1

### Test Methods

#### California Test (CT) Certifications

Total 28 items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 105 Calculations - Gradings (JTCP - HMA I / S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 125 AGG Sampling - AGGREGATES (JTCP - HMA I / S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 201 Sample Preparation - Soil and Aggregates (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 202 Sieve analysis - Fine and Coarse Aggregates (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 205 Percent Crushed Particles (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 216 Relative Compaction - Soils and Aggregates (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 217 Sand Equivalent (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 226 Moisture Content - Soils and Aggregates (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 227 Cleanness Value (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 229 Durability (JTCP - S&A)	2021-08-31	Active	Biplab Bhattacharya	Lab 1	(No comments)



Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 231 Relative Compaction - Nuclear Gage	2021-02-19	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 308 Bulk SpG and Density - HMA	2021-02-19	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 375 AC Density by Nuclear Gage	2021-02-19	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 382 AC Content by Ignition Oven	2021-03-18	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 504 Air Content of PCC - Pressure Method (JTCP - PCC)	2023-05-19	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 518 Unit Weight - PCC (JTCP - PCC)	2023-05-19	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 521 Compressive Strength - PCC	2021-02-19	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 523.1 Section B.1 & B.2 Flexural Strength (Field Fabrication)	2021-02-19	Active	Majid Fahrtoosh	Lab 1	(No comments)
CT 523.2 Section B.3 Flexural Strength (Lab Test)	2021-02-19	Active	Majid Fahrtoosh	(No lab)	(No comments)
CT 524 Flexural Strength of Rapid Strength - PCC	2021-03-18	Active	Majid Fahrtoosh	Lab 1	(No comments)





Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
CT 533 Ball Penetration - PCC	2021-02-19	Active	Majid Fahrtosh	Lab 1	(No comments)
CT 539 Sampling Fresh Concrete (JTCP - PCC)	2023-05-19	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 540 Making Cylinders - PCC (JTCP - PCC)	2023-05-19	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 541 Flow Cone	2021-02-19	Active	Majid Fahrtosh	Lab 1	(No comments)
CT 543 Air Content of PCC - Volumetric Method (JTCP - PCC)	2023-05-19	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 552 Relative Compaction of Polymer Concrete	2021-03-18	Active	Majid Fahrtosh	(No lab)	(No comments)
CT 556 Slump - PCC (JTCP - PCC)	2023-05-19	Active	Biplab Bhattacharya	Lab 1	(No comments)
CT 557 Temperature - PCC (JTCP - PCC)	2023-05-19	Active	Biplab Bhattacharya	Lab 1	(No comments)

## AASHTO/ASTM Proficiencies

Total 2 items.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
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Some Certifications have expired due to COVID restrictions on Caltrans IA staff.  
All relevant certs will be current at the time of testing.

Test Method	Expiration Date	Status	IA Responsible	Within Lab(s) Scope	Comments
AASHTO T312 Gyratory Compactor	2021-03-18	Active	Majid Fahrtosh	Lab 1	(No comments)
AASHTO T324 Hamburg Wheel-Track	2021-03-18	Active	Majid Fahrtosh	Lab 1	(No comments)

Unofficial Copy

**SUBCONTRACTOR CERTIFICATIONS**

**ACE PRODUCTS AND CONSULTING LLC to be used as  
needed for cost proposal line items 5, 6, 8, and 9.**



# CERTIFICATE OF ACCREDITATION

**The ANSI National Accreditation Board**

Hereby attests that

**ACE Products and Consulting, LLC  
6800 N. Chestnut St., Suite C  
Ravenna, OH 44266**

Fulfills the requirements of

**ISO/IEC 17025:2017**

In the field of

**TESTING**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).



R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 11 July 2022  
Certificate Number: AT-2601



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory  
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

### ACE Products and Consulting, LLC

6800 N. Chestnut St., Suite C

Ravenna, OH 44266

John A. Leonhard Email: john.leonhard@aceprodcon.com

Phone: 330 577 4088 ext.1005

### TESTING

Valid to: **July 11, 2022**

Certificate Number: **AT-2601**

#### Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Density	ASTM D297 (16.3 Hydrostatic Density)	Rubber / Plastic	Appropriate Balance
Compression Set / % Deflection	ASTM D395 Method B	Rubber / Plastic	Compression Set Fixtures, Hot Air Ovens
Tensile Stress / Strain	ASTM D412	Rubber / Plastic	Tensile Machine
Effects of Liquid % Volume Change / Tensile Properties, Durometer	ASTM D471	Rubber / Plastic	Appropriate Balance, Tensile Machine
Deterioration in Air Oven, Durometer, Tensile, Weight Loss	ASTM D573	Rubber / Plastic	Balance, tensile machine, hardness gage, hot air oven
Tear Strength Die B, Die C, Die T (Trouser Tear)	ASTM D624	Rubber / Plastic	Tensile Tester, Thickness Gage
Plasticity Recovery	ASTM D926	Silicone Rubber	Plastometer
Conditions for Conditioning	ASTM D1349	Rubber / Plastic	Environmental Chamber
Mooney Viscosity	ASTM D1646	Rubber	Mooney Viscometer
Vulcanization Using an ODR	ASTM D2084	Rubber	Rheometer 100
Durometer testing, Type A and OO	ASTM D2240	Rubber / Plastic	Durometer gage
Mixing and Curing Rubber	ASTM D3182	Rubber	Mixers, Mill, Presses
Preparation of Test Pieces, Dumbbells, Tear samples	ASTM D3183	Rubber / Plastic	Dies, Presses, Clickers



ANSI National Accreditation Board

**Mechanical**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Measurement of Dimensions	ASTM D3767	Rubber / Plastic	Thickness Gages
MDR	ASTM D5289	Rubber	RPA 2000
Measurement of Unvulcanized Rheological Properties Using Rotorless Shear Rheometer	ASTM D6204 Method A and B	Rubber	RPA 2000
Resilience Rebound Using Schob Type Rebound Pendulum	ASTM D7121	Rubber	Schob pendulum type Rebound Tester
TGA	ASTM D6370	Rubber / Plastic	T/A Instruments TGA
DSC	ASTM D7426	Rubber / Plastic	T/A Instruments DSC
Temperature Retraction	ASTM D1329	Rubber / Plastic	Retraction Tester; dies Traceable timer
Brittleness Point	ASTM D2137 ASTM D746	Rubber / Plastic	Brittleness Tester, die, torque wrench, Traceable timer
Spider Mold Flow	ACE TP-17	Rubber / Plastic	Spider Mold
Extrudability Garvey Die	ASTM D2230	Rubber / Plastic	Extruder and Garvey Die
Measurement of Cure	ASTM D6601	Rubber	Rheometer
Particle Sizing	ACE TP-19	Rubber / Plastics	Sieves
Electrical Resistivity	ASTM D257 ASTM D991	Rubber / Plastics	Resistivity Metter Volume Resistivity Test Fixture
Drum Abrasion	ASTM D5963	Rubber / Plastics	Drum Abrader
Resistance to Ozone Exposure	ASTM D1149	Rubber / Plastics	Ozone Chamber
Flammability	UL 94	Plastics	UL-94 Vertical/Horizontal Flame Tester
Test methods for rubber O-rings	ASTM D1414	Rubber	Appropriate tensile machine, Durometer/hardness gage, balances and ovens.
Dynamic Mechanical Analysis (DMA)	ACE Test Procedure 26 (TP-26)	Rubber/Plastic	DMA Machine
Fourier-Transform Infrared Spectroscopy (FTIR)	ACE Test Procedure 27 (TP-27)	Rubber/Plastic/Chemicals	FTIR Spectrometer



ANSI National Accreditation Board

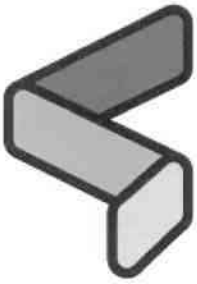
**Mechanical**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Rubber Deterioration	ASTM D750	Rubber	Artificial Weathering Apparatus
Ash Content of Compounding Materials	ASTM D4574	Rubber	Oven, Analytical Balance
Determination of Volatile Material	ASTM D4571	Rubber	Heat block
Deterioration by Heating in Air	ASTM D865	Rubber	Oven, hot air oven
Compression load deflection	ASTM D575	Rubber	Tensile Tester
Optical Dispersion	ACE Test Procedure 13 (TP-13)	Rubber	Optical Microscope
Crosslink Density (Flory-Rehner Method)	ACE Test Procedure 28 (TP-28)	Rubber	Analytical Balance
Thermal Conductivity and Effusivity (C-Therm Method)	ACE Test Procedure 29 (TP-29)	Rubber	C-Therm TCi

Note:

- 1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-2601.

R. Douglas Leonard Jr., VP, PILR SBU



**AASHIO**  
ACCREDITED

**CERTIFICATE OF  
ACCREDITATION**

AMERICAN ASSOCIATION  
OF STATE HIGHWAY AND  
TRANSPORTATION OFFICIALS

**AASHIO**

# Asphalt Pavement & Recycling Technologies, Inc.

in

**Shafter, California, USA**

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories ([aashtoresource.org](http://aashtoresource.org)).

  
Jim Tymon,  
AASHTO Executive Director

  
Moe Jamshidi,  
AASHTO COMP Chair

This certificate was generated on 04/23/2021 at 3:36 PM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](http://aashtoresource.org/aap/accreditation-directory)





**SCOPE OF AASHTO ACCREDITATION FOR:**  
Asphalt Pavement & Recycling Technologies, Inc.  
in Shafter, California, USA

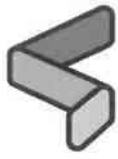
**Quality Management System**

**Standard:**

R18 Establishing and Implementing a Quality System for Construction Materials Testing Laboratories  
D3666 (Asphalt Binder) Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials

**Accredited Since:**

03/28/2006  
01/10/2011



**AASHTO**  
ACCREDITED

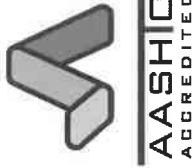
# SCOPE OF AASHTO ACCREDITATION FOR:

Asphalt Pavement & Recycling Technologies, Inc.

in Shafter, California, USA

## Asphalt Binder

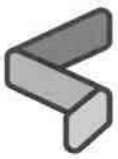
<b>Standard:</b>	<b>Accredited Since:</b>
R28 Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel	03/28/2006
R29 Grading or Verifying the Performance Grade of an Asphalt Binder	03/28/2006
T44 Solubility of Asphalt Materials in Trichloroethylene	03/28/2006
T48 Flash Point by Cleveland Open Cup	03/28/2006
T49 Penetration of Original Sample of Asphalt Cement	03/28/2006
T50 Float Test for Bituminous Materials	03/07/2016
T51 Ductility of Bituminous Materials	03/28/2006
T53 Softening Point of Bitumen (Ring-and-Ball Apparatus)	03/28/2006
T78 Distillation of Cut-Back Asphaltic (Bituminous) Products	03/28/2006
T201 Kinematic Viscosity	03/28/2006
T202 Viscosity by Vacuum Capillary	03/28/2006
T228 Specific Gravity (Relative Density) of Asphalt Cement	03/28/2006
T240 Rolling Thin-Film Oven Testing	03/28/2006
T301 Elastic Recovery Test of Bituminous Materials by Means of a Ductilometer	03/28/2006
T313 Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	03/28/2006
T315 Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	03/28/2006
T316 Viscosity Determination of Asphalt Binder Using Rotational Viscometer	03/28/2006
T350 Multiple Stress Creep and Recovery (MSCR) at 64°C, 25mm plate, 1mm gap	12/29/2017
D5 Penetration of Original Sample of Asphalt Cement	03/28/2006
D36 Softening Point of Bitumen (Ring-and-Ball Apparatus)	03/28/2006
D70 Specific Gravity (Relative Density) of Asphalt Cement	03/28/2006
D92 Flash Point by Cleveland Open Cup	03/28/2006
D113 Ductility of Bituminous Materials	03/28/2006



**SCOPE OF AASHTO ACCREDITATION FOR:**  
Asphalt Pavement & Recycling Technologies, Inc.  
in Shafter, California, USA

**Asphalt Binder (Continued)**

<b>Standard:</b>	<b>Accredited Since:</b>
D139 Float Test for Bituminous Materials	03/07/2016
D402 Distillation of Cut-Back Asphaltic (Bituminous) Products	03/28/2006
D2042 Solubility of Asphalt Materials in Trichloroethylene	03/28/2006
D2170 Kinematic Viscosity	03/28/2006
D2171 Viscosity by Vacuum Capillary	03/28/2006
D2872 Rolling Thin-Film Oven Testing	03/28/2006
D4402 Viscosity Determination of Asphalt Binder Using Rotational Viscometer	03/28/2006
D6084 Elastic Recovery Test of Bituminous Materials by Means of a Ductilometer	03/28/2006
D6521 Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel	03/28/2006
D6648 Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	03/28/2006
D7175 Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	03/28/2006
D7405 Multiple Stress Creep and Recovery (MSCR) at 64 °C, 25mm plate, 1mm gap	12/16/2015
D7553 Solubility of Asphalt Materials in N-Propyl Bromide	10/29/2012
D7643 Determining the Continuous Grading Temperatures and Continuous Grades for PG Graded Asphalt Binders	12/29/2017



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# SCOPE OF AASHTO ACCREDITATION FOR:

Asphalt Pavement & Recycling Technologies, Inc.

in Shafter, California, USA

## Emulsified Asphalt

Standard:	Accredited Since:
T59 Aggregate Coating	03/28/2006
T59 Cement Mixing	03/28/2006
T59 Demulsibility	03/28/2006
T59 Density	03/28/2006
T59 Freezing	03/28/2006
T59 Particle Charge	03/28/2006
T59 Residue by Distillation	03/28/2006
T59 Residue by Evaporation	03/28/2006
T59 Saybolt Viscosity at 25°C (77°F)	03/28/2006
T59 Saybolt Viscosity at 50°C (122°F)	03/28/2006
T59 Settlement and Storage Stability	03/28/2006
T59 Sieve Test	03/28/2006
D6929 Freezing	03/28/2006
D6930 Settlement and Storage Stability	03/28/2006
D6933 Sieve Test	03/28/2006
D6934 Residue by Evaporation	03/28/2006
D6935 Cement Mixing	03/28/2006
D6936 Demulsibility	03/28/2006
D6937 Density	03/28/2006
D6997 Residue by Distillation	03/28/2006
D6998 Aggregate Coating	03/28/2006
D7402 Particle Charge	03/28/2006
D7496 Saybolt Viscosity at 25°C (77°F)	03/28/2006



# SCOPE OF AASHTO ACCREDITATION FOR:

Asphalt Pavement & Recycling Technologies, Inc.  
in Shafter, California, USA

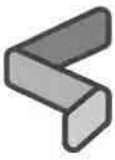
## Emulsified Asphalt (Continued)

**Standard:**

D7496 Saybolt Viscosity at 50°C (122°F)

**Accredited Since:**

03/28/2006



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# SCOPE OF AASHTO ACCREDITATION FOR:

Asphalt Pavement & Recycling Technologies, Inc.

in Shafter, California, USA

## Pavement Preservation

Standard:		Accredited Since:
D3910	Measurement of Slurry Seal Consistency (Cone Consistency)	12/29/2017
D3910/D6372	Wet Track Abrasion Of Slurry Surfacing Systems	12/29/2017
TB-100	Wet Track Abrasion Of Slurry Surfacing Systems	12/29/2017
TB-106	Measurement of Slurry Seal Consistency (Cone Consistency)	12/29/2017



# SCOPE OF AASHTO ACCREDITATION FOR:

Asphalt Pavement & Recycling Technologies, Inc.  
in Shafter, California, USA

## Asphalt Mixture

Standard:	Accredited Since:
R47 Reducing Samples of Hot-Mix Asphalt to Testing Size	10/29/2012
R59 Recovery of Asphalt from Solution by Abson Method	03/28/2006
R68 Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	03/28/2006
T30 Mechanical Analysis of Extracted Aggregate	03/28/2006
T164 Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	03/28/2006
T166 Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/28/2006
T209 Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	<b>Suspended</b>
T245 Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	03/28/2006
T269 Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	03/28/2006
T275 Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	03/28/2006
T283 Resistance of Compacted Mixtures to Moisture Induced Damage	03/28/2006
T312 Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyrotory Compactor	03/28/2006
T324 Hamburg Wheel-Track Testing of Compacted Hot-Mix Asphalt (HMA)	03/07/2016
T329 Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	03/28/2006
D1188 Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	12/19/2019
D1856 Recovery of Asphalt from Solution by Abson Method	03/28/2006
D2041 Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	<b>Suspended</b>
D2172 Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	03/28/2006
D2726 Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/28/2006
D3203 Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	03/28/2006
D3549 Thickness or Height of Compacted Bituminous Paving Mixture Specimens	12/19/2019
D4867 Resistance of Compacted Mixtures to Moisture Induced Damage	03/28/2006
D5444 Mechanical Analysis of Extracted Aggregate	03/28/2006



# SCOPE OF AASHTO ACCREDITATION FOR:

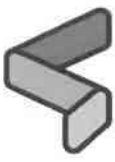
Asphalt Pavement & Recycling Technologies, Inc.  
in Shafter, California, USA

## Asphalt Mixture (Continued)

**Standard:**

	<b>Accredited Since:</b>
D6925 Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyration Compactor	03/28/2006
D6926 Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	03/28/2006
D6927 Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	03/28/2006





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# SCOPE OF AASHTO ACCREDITATION FOR:

Asphalt Pavement & Recycling Technologies, Inc.  
in Shafter, California, USA

## Aggregate

Standard:	Accredited Since:
R76 Reducing Samples of Aggregate to Testing Size	03/28/2006
T11 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	03/28/2006
T27 Sieve Analysis of Fine and Coarse Aggregates	<b>Suspended</b>
T176 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	03/28/2006
T255 Total Moisture Content of Aggregate by Drying	03/28/2006
T335 Determining the Percentage of Fractured Particles in Coarse Aggregate	03/07/2016
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	03/28/2006
C136 Sieve Analysis of Fine and Coarse Aggregates	<b>Suspended</b>
C566 Total Moisture Content of Aggregate by Drying	03/28/2006
C702 Reducing Samples of Aggregate to Testing Size	03/28/2006
D2419 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	03/28/2006
D5821 Determining the Percentage of Fractured Particles in Coarse Aggregate	03/28/2006

DEPARTMENT OF TRANSPORTATION  
DIVISION OF ENGINEERING SERVICES  
Transportation Laboratory  
5900 Folsom Blvd.  
Sacramento, California 95819-4612



10/17/2017

Donovan Morse  
Dynatest North American Inc.  
11415 Old Roswell Road Suite 100  
Alpharetta, GA 30009

Dear Mr. Donovan Morse,

Congratulations!

You have successfully passed the inertial profiler operator certification administered by Caltrans Materials, Engineering and Testing Services.

This letter certifies that you are qualified to operate the following inertial profiler:

## Dynatest Model 5051 Mark IV

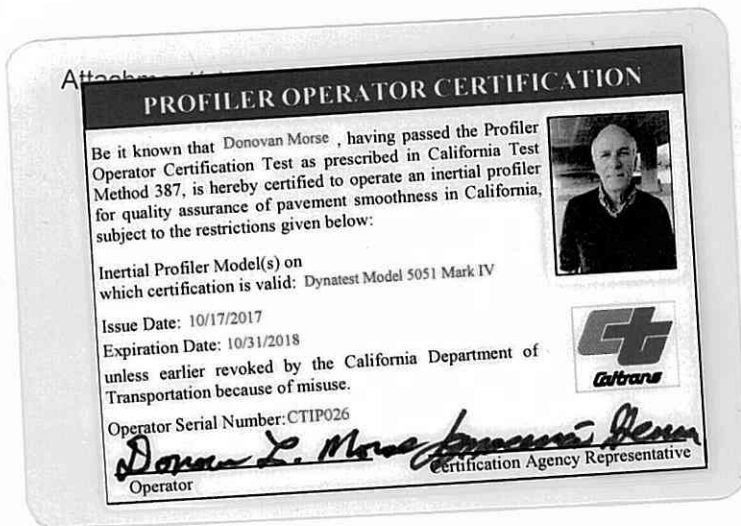
The certification is subject to the restrictions given below:

Issue Date: 10/17/2017

Expiration Date: 10/31/2018

Sincerely,

Ignocencio Herrera  
IA #095



## Lab details for Sequoia Consultants Inc.

### Basic Information

<b>Lab Name</b>	Sequoia Consultants Inc.
<b>Manager Name</b>	Ruben Jimenez
<b>Lab Email</b>	rjimenez@sequoiacon.com
<b>Lab Telephone</b>	714-974-6316
<b>Lab Fax</b>	714-974-6193
<b>Lab Full Address</b>	361 W. Grove Ave., Orange, CA 92865
<b>Zip</b>	92865
<b>Lab Type</b>	Private
<b>District</b>	12

### RSP Information

**RSP Shipping Address:** 361 West Grove Avenue, Orange, CA 92865

### Test Methods

#### California Test (CT) Accreditations

Total **52** items.

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Tester Certified?
CT 105: Calculations - Gradings (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 106: Definitions - Specific Gravity (SpG)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 125 ADMIX: Sampling - ADMIXTURE	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes

<b>Test Method</b>	<b>Obtained Date</b>	<b>Expiration Date</b>	<b>Status</b>	<b>IA Responsible</b>	<b>Tester Certified?</b>
CT 125 AGG: Sampling - AGGREGATES (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 125 BIT: Sampling - BITUMINOUS	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 125 CEM: Sampling - CEM	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 125 GEN: Sampling - GENERAL	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 125 HMA: Sampling - HMA (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 201: Sample Preparation - Soil and Aggregates (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 202: Sieve analysis - Fine and Coarse Aggregates (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 204: LL, PL, PI	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 205: Percent Crushed Particles (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 206: SpG & Absorption - Coarse Aggregates	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 207: SpG & Absorption - Fine Aggregates	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 208: Apparent SpG - Fine Aggregates	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 209: SpG for Soil	2020-06-03	2021-06-03	Active	Ashley Shaw	No
CT 211: LA Rattler	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 216: Relative Compaction - Soils and Aggregates (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes

<b>Test Method</b>	<b>Obtained Date</b>	<b>Expiration Date</b>	<b>Status</b>	<b>IA Responsible</b>	<b>Tester Certified?</b>
CT 217: Sand Equivalent (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 226: Moisture Content - Soils and Aggregates (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 227: Cleanness Value (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 229: Durability (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 231: Relative Compaction - Nuclear Gage	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 234: Uncompacted void - Fine Aggregates	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 235: Flat and Elongated Particles	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 301: "R" Value	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 304: Sample Preparation - HMA	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 308: Bulk SpG and Density - HMA	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 309: Max SpG and Density - HMA	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 366: Stabilometer	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 368: OBC of OGAC	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 370: Moisture Content by Microwave	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 371: Moisture Induced Damage (TSR)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes

<b>Test Method</b>	<b>Obtained Date</b>	<b>Expiration Date</b>	<b>Status</b>	<b>IA Responsible</b>	<b>Tester Certified?</b>
CT 382: AC Content by Ignition Oven	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 504: Air Content of PCC - Pressure Method (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 518: Unit Weight - PCC (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 521: Compressive Strength - PCC	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 523.1 Section B.1 & B.2: Flexural Strength (Field Fabrication)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 523.2 Section B.3: Flexural Strength (Lab Test)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 524: Flexural Strength of Rapid Strength - PCC	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 526: Profilograph	2020-06-03	2021-06-03	Active	Ashley Shaw	No
CT 529: Proportions in PCC - Coarse Aggregates	2020-06-03	2021-06-03	Active	Ashley Shaw	No
CT 531: Core Length - PCC	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 533: Ball Penetration - PCC	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 539: Sampling Fresh Concrete (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 540: Making Cylinders - PCC (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 541: Flow Cone	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 543: Air Content of PCC - Volumetric Method (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Tester Certified?
CT 556: Slump - PCC (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 557: Temperature - PCC (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
CT 125 AGG: Sampling - AGGREGATES	2021-02-17	2022-02-17	Active	Afsaneh Ostovar	Yes
CT 125 HMA: Sampling - HMA	2021-02-17	2022-02-17	Active	Afsaneh Ostovar	Yes

## AASHTO/ASTM Proficiencies

Total **22** items.

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Tester Certified?
AASHTO T11: Sieve Analysis (Washing) - Fine Aggregates (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO T27: Sieve Analysis - Fine and Coarse Aggregates (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO R47: Reducing Samples of HMA (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO R76: Reducing Samples of Agg (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO T84: SpG & Absorption - Fine Aggregates	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO T85: SpG & Absorption - Coarse Aggregates	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO T96: L.A. Rattler	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes

Test Method	Obtained Date	Expiration Date	Status	IA Responsible	Tester Certified?
AASHTO T166: Bulk SpG of Compacted HMA - SSD (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO T176: Sand Equivalent (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO T209: Max SpG and Density - HMA (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO T248: Reducing Samples of Agg. (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO T255: Evaporable Moisture Content (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO T269: Percent Air Voids - HMA (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO T275: Bulk SpG - HMA (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO T283: Moisture Induced Damage (TSR)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO T304: Uncompacted Void - Fine Aggregate	2020-06-03	2021-06-03	Active	Ashley Shaw	No
AASHTO T308: AC Content (Ignition Oven) - HMA (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO T312: Gyratory Compactor	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO T324: Hamburg Wheel-Track	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO T329: Moisture Content (Oven Method) - HMA (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes
AASHTO T335: Percentage of Fracture (JTCP)	2020-06-03	2021-06-03	Active	Ashley Shaw	Yes